

Standard Industrial Classification (SIC) Code	The SIC code is a four-digit coding system, developed by the Census Bureau and OMB, that categorizes the principal product or group of products produced or distributed, or services rendered at a site's physical location.
Storage	Storage is the temporary holding of waste pending treatment or disposal. Storage methods include containers, tanks, waste piles and surface impoundments.
System	A system contains one or more processes used together to treat, recycle, or dispose of a hazardous waste. A list of system types begins on page 83.
TDR	TDR means treatment, disposal, or recycling.
Transporter	A person engaged in the off-site transportation of hazardous waste by air, rail, road, or water is a transporter.
Treatment	Treatment means any method, technique, or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such wastes, or so as to recover energy or material resources from the waste, or so as to render such waste non-hazardous, or less hazardous; safer to transport, store, or dispose of; or amenable to recovery, storage, or reduction in volume.
TRI	TRI stands for Toxic Chemical Release Inventory, a data collection system for toxic chemical releases under SARA Title III, Section 313.
TRI Constituent	TRI constituent is the specific toxic chemical(s), identified by a CAS number, which was reported on the 1988 TRI report (Form R[s]).
TSDR	TSDR means treatment, storage, disposal, or recycling.
UIC	Underground Injection Control (UIC) is the program under the Safe Drinking Water Act that regulates the use of wells to pump fluids into the ground. Materials pumped into the ground include chemical containing wastes. A well involved in this program is identified by a unique identification number.
Unauthorized State	An unauthorized State is one that has not obtained authorization from EPA to direct its own RCRA program.
Uniform Hazardous Waste Manifest	The shipping document (EPA form 8700-22 or 8700-22a) that pertains to hazardous waste and is duly signed by the generator is called a Uniform Hazardous Waste Manifest.

Note: Definitions are not legally binding. Refer to Title 40 of CFR for precise legal wording.

Waste Codes

Waste codes are EPA identifiers which consist of one letter (D, F, P, U, or K) and three numbers. The list of waste codes begins on page 61.

Waste Minimization

Waste minimization means the reduction, to the extent feasible, of hazardous waste that is generated or subsequently treated, stored, or disposed of. It includes any source reduction or recycling activity undertaken by a generator that results in: (1) the reduction of total volume or quantity of hazardous waste; (2) the reduction of toxicity of hazardous waste; or (3) both, as long as the reduction is consistent with the goal of minimizing present and future threats to human health and the environment.

Waste Min

Waste min is a common abbreviation for waste minimization. (See above.)

Note: Definitions are not legally binding. Refer to Title 40 of CFR for precise legal wording.

SIC CODES

SIC Code	Industry	SIC Code	Industry	SIC Code	Industry
AGRICULTURE					
AGRICULTURAL PRODUCTION--CROPS					
0111	Wheat	1041	Gold ores	2021	Creamery butter
0112	Rice	1044	Silver ores	2022	Cheese, natural and processed
0115	Corn	1061	Ferroalloy ores, except vanadium	2023	Dry, condensed, evaporated products
0116	Soybeans	1081	Metal mining services	2024	Ice cream and frozen desserts
0119	Cash grains, nec	1094	Uranium, radium, vanadium ores	2026	Fluid milk
0131	Cotton	1099	Metal ores, nec	2032	Canned specialties
0132	Tobacco	COAL MINING		2033	Canned fruits and vegetables
0133	Sugar cane and sugar beets	1221	Bituminous coal and lignite - surface	2034	Dehydrated fruits, vegetables, soups
0134	Irish potatoes	1222	Bituminous coal - underground	2035	Pickles, sauces, and salad dressings
0139	Field crops, except cash grains, nec	1231	Anthracite mining	2037	Frozen fruits and vegetables
0161	Vegetables and melons	1241	Coal mining services	2038	Frozen specialties, nec
0171	Berry crops	OIL AND GAS EXTRACTION		2041	Flour and other grain mill products
0172	Grapes	1311	Crude petroleum and natural gas	2043	Cereal breakfast foods
0173	Tree nuts	1321	Natural gas liquids	2044	Rice milling
0174	Citrus fruits	1361	Drilling oil and gas wells	2045	Prepared flour mixes and doughs
0175	Deciduous tree fruits	1382	Oil and gas exploration services	2046	Wet corn milling
0179	Fruits and tree nuts, nec	1389	Oil and gas field services, nec	2047	Dog and cat food
0181	Ornamental nursery products	NONMETALLIC MINERALS, EXCEPT FUELS		2048	Prepared feeds, nec
0182	Food crops grown under cover	1411	Dimension stone	2051	Bread, cake, and related products
0191	General farms, primarily crops	1422	Crushed and broken limestone	2052	Cookies and crackers
AGRICULTURAL PRODUCTION--LIVESTOCK					
0211	Beef cattle feedlots	1423	Crushed and broken granite	2053	Frozen bakery products, except bread
0212	Beef cattle, except feedlots	1429	Crushed and broken stone, nec	2061	Raw cane sugar
0213	Hogs	1442	Construction sand and gravel	2062	Cane sugar refining
0214	Sheep and goats	1446	Industrial sand	2063	Beet sugar
0219	General livestock, nec	1455	Kaolin and ball clay	2064	Candy and other confectionery products
0241	Dairy farms	1459	Clay and related minerals, nec	2066	Chocolate and cocoa products
0251	Broiler, fryer, and roaster chickens	1474	Potash, soda and borate minerals	2067	Chewing gum
0252	Chicken eggs	1475	Phosphate rock	2068	Salted and roasted nuts and seeds
0253	Turkeys and turkey eggs	1479	Chemical and fertilizer mining, nec	2074	Cottonseed oil mills
0254	Poultry hatcheries	1481	Nonmetallic minerals services	2075	Soybean oil mills
0259	Poultry and eggs, nec	1499	Miscellaneous nonmetallic minerals, nec	2076	Vegetable oil mills, nec
0271	Fur-bearing animals and rabbits	CONSTRUCTION		2077	Animal and marine fats and oils
0272	Horses and other equines	GENERAL BUILDING CONTRACTORS		2079	Edible fats and oils, nec
0273	Animal aquaculture	1521	Single-family housing construction	2082	Malt beverages
0279	Animal specialties, nec	1522	Residential construction, nec	2083	Malt
0291	General farms, primarily animal	1531	Operative builders	2084	Wines, brandy, and brandy spirits
AGRICULTURAL SERVICES					
0711	Soil preparation services	1541	Industrial buildings and warehouses	2085	Distilled and blended liquors
0721	Crop planting and protecting	1542	Nonresidential construction, nec	2086	Bottled and canned soft drinks
0722	Crop harvesting	HEAVY CONSTRUCTION, EXCLUDING BUILDINGS		2087	Flavoring extracts and syrups, nec
0723	Crop preparation services for market	1611	Highway and street construction	2091	Canned and cured fish and seafood
0724	Cotton ginning	1622	Bridge, tunnel, and elevated highway	2092	Fresh or frozen prepared fish
0741	Veterinary services, for livestock	1623	Water, sewer, and utility lines	2095	Roasted coffee
0742	Veterinary services, specialties	1629	Heavy construction, nec	2097	Manufactured ice
0751	Livestock services, except veterinary	SPECIAL TRADE CONTRACTORS		2098	Macaroni and spaghetti
0752	Animal specialty services	1711	Plumbing, heating, air conditioning	2099	Food preparations, nec
0781	Farm labor contractors	1721	Painting and paper hanging	TOBACCO PRODUCTS	
0782	Farm management services	1731	Electrical work	2111	Cigarettes
0781	Landscape counseling and planning	1741	Masonry and other stonework	2121	Cigars
0782	Lawn and garden services	1742	Plastering, drywall, and insulation	2131	Chewing and smoking tobacco
0783	Ornamental shrub and tree services	1743	Terrazzo, tile, marble, mosaic work	2141	Tobacco stemming and redrying
FORESTRY					
0811	Timber tracts	1751	Carpentry work	TEXTILE MILL PRODUCTS	
0831	Forest products	1752	Floor laying and floor work, nec	2211	Broadwoven fabric mills, cotton
0851	Forestry services	1761	Roofing, siding, and sheet metal work	2221	Broadwoven fabric mills, man-made
FISHING, HUNTING, AND TRAPPING					
0912	Finfish	1771	Concrete work	2231	Broadwoven fabric mills, wool
0913	Shellfish	1781	Water well drilling	2241	Narrow fabric mills
0919	Miscellaneous marine products	1791	Structural steel erection	2251	Women's hosiery, except socks
0921	Fish hatcheries and preserves	1783	Glass and glazing work	2252	Hosiery, nec
0971	Hunting, trapping, game propagation	1794	Excavation work	2253	Knit outerwear mills
MINING					
METAL MINING					
1011	Iron ores	1795	Wrecking and demolition work	2254	Knit underwear mills
1021	Copper ores	1796	Installing building equipment, nec	2257	Wet knit fabric mills
1031	Lead and zinc ores	1799	Special trade contractors, nec	2258	Lace and warp knit fabric mills
MANUFACTURING					
FOOD AND KINDRED PRODUCTS					
2011	Meat packing plants	2259	Knitting mills, nec	2261	Finishing plants, cotton
2013	Sausages and other prepared meats	2261	Finishing plants, cotton	2262	Finishing plants, man-made
2015	Poultry slaughtering and processing	2269	Finishing plants, nec	2273	Carpets and rugs
		2281	Yarn spinning mills	2282	Throwing and winding mills
		2284	Thread mills	2285	Coated fabrics, not rubberized
		2295	Tire cord and fabrics	2297	Nonwoven fabrics
		2298	Cordage and twine	2299	Textile goods, nec

Note: nec = not elsewhere classified.

SIC CODES (Continued)

SIC Code	Industry	SIC Code	Industry	SIC Code	Industry
APPAREL AND OTHER TEXTILE PRODUCTS					
2311	Men's and boys' suits and coats	2672	Paper coated and laminated, nec	3087	Custom compound purchased resins
2321	Men's and boys' shirts	2673	Bags - plastics, laminated and coated	3088	Plastics, plumbing fixtures
2322	Men's and boys' underwear and nightwear	2674	Bags - uncoated paper and multiwall	3089	Plastics products, nec
2323	Men's and boys' neckwear	2675	Die-cut paper and board	LEATHER AND LEATHER PRODUCTS	
2325	Men's and boys' trousers and slacks	2676	Sanitary paper products	3111	Leather tanning and finishing
2326	Men's and boys' work clothing	2677	Envelopes	3131	Footwear, cut stock
2329	Men's and boys' clothing, nec	2678	Stationery products	3142	House slippers
2331	Women's and misses' blouses and shirts	2679	Converted paper products, nec	3143	Men's footwear, except athletic
2335	Women's, juniors' and misses' dresses	PRINTING AND PUBLISHING		3144	Women's footwear, except athletic
2337	Women's and misses' suits and coats	2711	Newspapers	3149	Footwear, except rubber, nec
2339	Women's and misses' outerwear, nec	2721	Periodicals	3151	Leather gloves and mittens
2341	Women's and children's underwear	2731	Book publishing	3161	Luggage
2342	Bras, girdles, and allied garments	2732	Book printing	3171	Women's handbags and purses
2353	Hats, caps, and millinery	2741	Miscellaneous publishing	3172	Personal leather goods, nec
2361	Girls' and children's dresses, blouses	2752	Commercial printing, lithographic	3199	Leather goods, nec
2369	Girls' and children's outerwear, nec	2754	Commercial printing, gravure	STONE, CLAY, AND GLASS PRODUCTS	
2371	Fur goods	2759	Commercial printing, nec	3211	Flat glass
2381	Fabric dress and work gloves	2781	Manifold business forms	3221	Glass containers
2384	Robes and dressing gowns	2771	Greeting cards	3229	Pressed and blown glass, nec
2385	Waterproof outerwear	2782	Blankbooks and looseleaf binders	3231	Products of purchased glass
2386	Leather and sheep lined clothing	2789	Bookbinding and related work	3241	Cement, hydraulic
2387	Apparel belts	2791	Typesetting	3251	Brick and structural clay tile
2389	Apparel and accessories, nec	2796	Plate making services	3253	Ceramic wall and floor tile
2391	Curtains and draperies	CHEMICALS AND ALLIED PRODUCTS		3255	Clay refractories
2392	House furnishings, nec	2812	Alkalies and chlorine	3259	Structural clay products, nec
2393	Textile bags	2813	Industrial gases	3261	Vitreous plumbing fixtures
2394	Canvas and related products	2816	Inorganic pigments	3262	Vitreous china table and kitchenware
2395	Pleating and stitching	2819	Industrial inorganic chemicals, nec	3263	Semivitreous table and kitchenware
2396	Automotive and apparel trimmings	2821	Plastics materials and resins	3264	Porcelain electrical supplies
2397	Schiffli machine embroideries	2822	Synthetic rubber	3269	Pottery products, nec
2399	Fabricated textile products, nec	2823	Cellulosic man-made fibers	3271	Concrete block and brick
LUMBER AND WOOD PRODUCTS		2824	Organic fibers, noncellulosic	3272	Concrete products, nec
2411	Logging	2833	Medicinals and botanicals	3273	Ready-mixed concrete
2421	Sawmills and planing mills, general	2834	Pharmaceutical preparations	3274	Ume
2426	Hardwood dimension and flooring mills	2835	Diagnostic substances	3275	Gypsum products
2429	Special product sawmills, nec	2836	Biological products, except diagnostic	3281	Cut stone and stone products
2431	Millwork	2841	Soap and other detergents	3291	Abrasive products
2434	Wood kitchen cabinets	2842	Polishes and sanitation goods	3292	Asbestos products
2435	Hardwood veneer and plywood	2843	Surface active agents	3295	Minerals, ground or treated
2436	Softwood veneer and plywood	2844	Toilet preparations	3296	Mineral wool
2439	Structural wood members, nec	2851	Paints and allied products	3297	Nonclay refractories
2441	Nailed wood boxes and shooks	2861	Gum and wood chemicals	3299	Nonmetallic mineral products, nec
2448	Wood pallets and skids	2865	Cyclic crudes and intermediates	PRIMARY METAL INDUSTRIES	
2449	Wood containers, nec	2869	Industrial organic chemicals, nec	3312	Blast furnaces and steel mills
2451	Mobile homes	2873	Nitrogenous fertilizers	3313	Electrometallurgical products
2452	Prefabricated wood buildings	2874	Phosphatic fertilizers	3315	Steel wire and related products
2491	Wood preserving	2875	Fertilizers, mixing only	3316	Cold finishing of steel shapes
2493	Reconstituted wood products	2879	Agricultural chemicals, nec	3317	Steel pipe and tubes
2499	Wood products, nec	2891	Adhesives and sealants	3321	Gray and ductile iron foundries
FURNITURE AND FIXTURES		2892	Explosives	3322	Malleable iron foundries
2511	Wood household furniture	2893	Printing ink	3324	Steel investment foundries
2512	Upholstered household furniture	2895	Carbon black	3325	Steel foundries, nec
2514	Metal household furniture	2899	Chemical preparations, nec	3331	Primary copper
2515	Mattresses and bedsprings	PETROLEUM AND COAL PRODUCTS		3334	Primary aluminum
2517	Wood TV and radio cabinets	2911	Petroleum refining	3339	Primary nonferrous metals, nec
2519	Household furniture, nec	2951	Asphalt paving mixtures and blocks	3341	Secondary nonferrous metals
2521	Wood office furniture	2952	Asphalt felts and coatings	3351	Copper rolling and drawing
2522	Office furniture, except wood	2992	Lubricating oils and greases	3353	Aluminum sheet, plate, and foil
2531	Public building and related furniture	2999	Petroleum and coal products, nec	3354	Aluminum extruded products
2541	Wood partitions and fixtures	RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS		3355	Aluminum rolling and drawing, nec
2542	Partitions and fixtures, except wood	3011	Tires and inner tubes	3356	Nonferrous rolling and drawing, nec
2591	Draper hardware and blinds and shades	3021	Rubber and plastics footwear	3357	Nonferrous wire drawing and insulating
2599	Furniture and fixtures, nec	3052	Rubber and plastics hose and belting	3363	Aluminum die-castings
PAPER AND ALLIED PRODUCTS		3053	Gaskets, packing and sealing devices	3364	Nonferrous die-castings, except aluminum
2611	Pulp mills	3061	Mechanical rubber goods	3365	Aluminum foundries
2621	Paper mills	3069	Fabricated rubber products, nec	3366	Copper foundries
2631	Paperboard mills	3081	Unsupported plastics, film and sheet	3369	Nonferrous foundries, nec
2652	Set-up paperboard boxes	3082	Unsupported plastics, profile shapes	3398	Metal heat treating
2653	Corrugated and solid fiber boxes	3083	Laminated plastics, plate and sheet	3399	Primary metal products, nec
2655	Fiber cans, drums, and similar products	3084	Plastics, pipe	FABRICATED METAL PRODUCTS	
2656	Sanitary food containers	3085	Plastics, bottles	3411	Metal cans
2657	Folding paperboard boxes	3086	Plastics, foam products	3412	Metal barrels, drums, and pails
2671	Paper coated and laminated, packaging			3421	Cutlery

Note: nec = not elsewhere classified.

SIC CODES (Continued)

SIC Code	Industry	SIC Code	Industry	SIC Code	Industry
3423	Hand and edge tools, nec	3579	Office machines, nec	3824	Fluid meters and counting devices
3425	Saw blades and handsaws	3581	Automatic vending machines	3825	Instruments to measure electricity
3429	Hardware, nec	3582	Commercial laundry equipment	3826	Analytical instruments
3431	Metal sanitary ware	3585	Refrigeration and heating equipment	3827	Optical instruments and lenses
3432	Plumbing fixture fittings and trim	3586	Measuring and dispensing pumps	3829	Measuring and controlling devices, nec
3433	Heating equipment, except electric	3589	Service industry machinery, nec	3841	Surgical and medical instruments
3441	Fabricated structural metal	3592	Carburetors, pistons, rings, valves	3842	Surgical appliances and supplies
3442	Metal doors, sash, and trim	3593	Fluid power cylinders and actuators	3843	Dental equipment and supplies
3443	Fabricated plate work (boiler shops)	3594	Fluid power pumps and motors	3844	X-ray apparatus and tubes
3444	Sheet metal work	3596	Scales and balances, except laboratory	3845	Electromedical equipment
3446	Architectural metal work	3599	Industrial machinery, nec	3851	Ophthalmic goods
3448	Prefabricated metal buildings			3861	Photographic equipment and supplies
3449	Miscellaneous metal work		ELECTRONIC AND OTHER ELECTRIC EQUIPMENT	3873	Watches, clocks, watchcases, and parts
3451	Screw machine products	3612	Transformers, except electronic		MISCELLANEOUS MANUFACTURING INDUSTRIES
3452	Bolts, nuts, rivets, and washers	3613	Switchgear and switchboard apparatus	3911	Jewelry, precious metal
3462	Iron and steel forgings	3621	Motors and generators	3914	Silverware and plated ware
3463	Nonferrous forgings	3624	Carbon and graphite products	3915	Jewelers' materials and lapidary work
3485	Automotive stampings	3625	Relays and industrial controls	3931	Musical instruments
3486	Crowns and closures	3629	Electrical industrial apparatus, nec	3942	Dolls and stuffed toys
3489	Metal stampings, nec	3631	Household cooking equipment	3944	Games, toys, and children's vehicles
3471	Plating and polishing	3632	Household refrigerators and freezers	3949	Sporting and athletic goods, nec
3479	Metal coating and allied services	3633	Household laundry equipment	3951	Pens and mechanical pencils
3482	Small arms ammunition	3634	Electric housewares and fans	3952	Lead pencils and art goods
3483	Ammunition, except for small arms, nec	3635	Household vacuum cleaners	3953	Marking devices
3484	Small arms	3639	Household appliances, nec	3955	Carbon paper and inked ribbons
3489	Ordnance and accessories, nec	3641	Electric lamps	3961	Costume jewelry
3491	Industrial valves	3643	Current-carrying wiring devices	3965	Fasteners, buttons, needles, and pins
3492	Fluid power valves and hose fittings	3644	Noncurrent-carrying wiring devices	3991	Brooms and brushes
3493	Steel springs, except wire	3645	Residential lighting fixtures	3993	Signs and advertising specialties
3494	Valves and pipe fittings, nec	3646	Commercial lighting fixtures	3995	Burial caskets
3495	Wire springs	3647	Vehicular lighting equipment	3996	Hard surface floor coverings, nec
3496	Miscellaneous fabricated wire products	3648	Lighting equipment, nec	3999	Manufacturing industries, nec
3497	Metal foil and leaf	3651	Household audio and video equipment		
3498	Fabricated pipe and fittings	3652	Prerecorded records and tapes		TRANSPORTATION AND UTILITIES
3499	Fabricated metal products, nec	3661	Telephone and telegraph apparatus		RAILROAD TRANSPORTATION
		3663	Radio and TV communication equipment	4011	Railroads, line-haul operating
		3669	Communications equipment, nec	4013	Switching and terminal devices
		3671	Electron tubes		LOCAL AND INTERURBAN PASSENGER TRANSIT
		3672	Printed circuit boards	4111	Local and suburban transit
		3674	Semiconductors and related devices	4119	Local passenger transportation, nec
		3675	Electronic capacitors	4121	Taxis
		3676	Electronic resistors	4131	Intercity and rural bus transportation
		3677	Electronic coils and transformers	4141	Local bus charter service
		3678	Electronic connectors	4142	Bus charter service, except local
		3679	Electronic components, nec	4151	School buses
		3691	Storage batteries	4173	Bus terminal and service facilities
		3692	Primary batteries, dry and wet		
		3694	Engine electrical equipment		TRUCKING AND WAREHOUSING
		3695	Magnetic and optical recording media	4212	Local trucking, without storage
		3699	Electrical equipment and supplies, nec	4213	Trucking, except local
			TRANSPORTATION EQUIPMENT	4214	Local trucking with storage
		3711	Motor vehicles and car bodies	4215	Courier services, except by air
		3713	Truck and bus bodies	4221	Farm product warehousing and storage
		3714	Motor vehicle parts and accessories	4222	Refrigerated warehousing and storage
		3715	Truck trailers	4225	General warehousing and storage
		3716	Motor homes	4226	Special warehousing and storage, nec
		3721	Aircraft	4231	Trucking terminal facilities
		3724	Aircraft engines and engine parts		
		3728	Aircraft parts and equipment, nec		U.S. POSTAL SERVICE
		3731	Ship building and repairing	4311	U.S. Postal Service
		3732	Boat building and repairing		
		3743	Railroad equipment		WATER TRANSPORTATION
		3751	Motorcycles, bicycles, and parts	4412	Deep sea foreign transportation of freight
		3761	Guided missiles and space vehicles	4424	Deep sea domestic trans. of freight
		3764	Space propulsion units and parts	4432	Freight transportation, on the Great Lakes
		3769	Space vehicle equipment, nec	4449	Water transportation of freight, nec
		3792	Travel trailers and campers	4481	Deep sea passenger trans., except ferry
		3795	Tanks and tank components	4482	Ferries
		3799	Transportation equipment, nec	4489	Water passenger transportation, nec
				4491	Marine cargo handling
			INSTRUMENTS AND RELATED PRODUCTS	4492	Towing and tugboat service
		3812	Search and navigation equipment	4493	Marinas
		3821	Laboratory apparatus and furniture	4499	Water transportation services, nec
		3822	Environmental controls		
		3823	Process control instruments		

Note: nec = not elsewhere classified.

SIC CODES (Continued)

SIC Code	Industry	SIC Code	Industry	SIC Code	Industry
TRANSPORTATION BY AIR					
4512	Air transportation, scheduled	5083	Farm and garden machinery	5599	Automotive dealers, nec
4513	Air courier services	5084	Industrial machinery and equipment	APPAREL AND ACCESSORY STORES	
4522	Air transportation, nonscheduled	5085	Industrial supplies	5611	Men's and boys' clothing stores
4581	Airports, flying fields, and services	5087	Service establishment equipment	5621	Women's clothing stores
PIPELINES, EXCEPT NATURAL GAS		5088	Transportation equipment and supplies	5632	Women's accessory and specialty stores
4612	Crude petroleum pipelines	5091	Sporting and recreational goods	5641	Children's and infants' wear stores
4613	Refined petroleum pipelines	5092	Toys and hobby goods and supplies	5651	Family clothing stores
4619	Pipelines, nec	5093	Scrap and waste materials	5661	Shoe stores
TRANSPORTATION SERVICES		5094	Jewelry and precious stones	5699	Miscellaneous apparel and accessory stores
4724	Travel agencies	5099	Durable goods, nec	FURNITURE AND HOME FURNISHINGS STORES	
4725	Tour operators	WHOLESALE TRADE, NONDURABLE GOODS		5712	Furniture stores
4729	Passenger transportation arrangement, nec	5111	Printing and writing paper	5713	Floor covering stores
4731	Freight transportation arrangement	5112	Stationery and office supplies	5714	Drapery and upholstery stores
4741	Rental of railroad cars	5113	Industrial and personal service paper	5719	Miscellaneous home furnishings stores
4763	Packing and crating	5122	Drugs, proprietaries, and sundries	5722	Household appliance stores
4785	Inspection and fixed facilities	5131	Piece goods and notions	5731	Radio, TV, and electronic stores
4789	Transportation services, nec	5136	Men's and boys' clothing	5734	Computer and software stores
COMMUNICATIONS		5137	Women's and children's clothing	5735	Record and prerecorded tape stores
4812	Radiotelephone communications	5139	Footwear	5736	Musical instruments stores
4813	Telephone communications, except radio	5141	Groceries, general line	EATING AND DRINKING PLACES	
4822	Telegraph and other communications	5142	Packaged frozen foods	5812	Eating places
4832	Radio broadcasting stations	5143	Dairy products, except dried or canned	5813	Drinking places
4833	Television broadcasting stations	5144	Poultry and poultry products	MISCELLANEOUS RETAIL	
4841	Cable and other pay TV services	5145	Confectionery	5912	Drugstores and proprietary stores
4899	Communication services, nec	5146	Fish and seafoods	5921	Liquor stores
ELECTRIC, GAS, AND SANITARY SERVICES		5147	Meats and meat products	5932	Used merchandise stores
4911	Electric services	5148	Fresh fruits and vegetables	5941	Sporting goods and bicycle shops
4922	Natural gas transmission	5149	Groceries and related products, nec	5942	Book stores
4923	Gas transmission and distribution	5153	Grain and field beans	5943	Stationery stores
4924	Natural gas distribution	5154	Livestock	5944	Jewelry stores
4925	Gas production and/or distribution	5159	Farm-product raw materials, nec	5945	Hobby, toy, and game shops
4931	Electric and other services combined	5162	Plastics materials and basic shapes	5946	Camera and photographic supply stores
4932	Gas and other services combined	5169	Chemicals and allied products, nec	5947	Gift, novelty, and souvenir shops
4939	Combination utilities, nec	5171	Petroleum bulk stations and terminals	5948	Luggage and leather goods stores
4941	Water supply	5172	Petroleum products, nec	5949	Sewing, needlework, and piece goods
4952	Sewerage systems	5181	Beer and ale	5961	Catalog and mail order houses
4953	Refuse systems	5182	Wines and distilled beverages	5962	Merchandising machine operators
4959	Sanitary services, nec	5191	Farm supplies	5963	Direct selling organizations
4961	Steam and air conditioning supply	5192	Books, periodicals, and newspapers	5983	Fuel oil dealers
4971	Irrigation systems	5193	Flowers and florists' supplies	5989	Fuel dealers, nec
WHOLESALE TRADE		5194	Tobacco and tobacco products	5984	Liquefied petroleum gas dealers
WHOLESALE TRADE, DURABLE GOODS		5198	Paints, varnishes, and supplies	5992	Florists
5012	Automobiles and other motor vehicles	5199	Nondurable goods, nec	5993	Cigar stores and stands
5013	Motor vehicle supplies and new parts	RETAIL TRADE		5994	News dealers and newsstands
5014	Tires and tubes	BUILDING MATERIALS AND GARDEN SUPPLIES		5995	Optical goods stores
5015	Motor vehicle parts, used	5211	Lumber and other building materials	5999	Miscellaneous retail stores, nec
5021	Furniture	5231	Paint, glass, and wallpaper stores	FINANCE, INSURANCE & REAL ESTATE	
5023	Home furnishings	5251	Hardware stores	DEPOSITORY INSTITUTIONS	
5031	Lumber, plywood, and millwork	5261	Retail nurseries and gardens	6011	Federal Reserve banks
5032	Brick, stone, and related materials	5271	Mobile home dealers	6019	Central reserve depository, nec
5033	Roofing, siding, and insulation	GENERAL MERCHANDISE STORES		6021	National commercial banks
5039	Construction materials, nec	5311	Department stores	6022	State commercial banks
5043	Photographic equipment and supplies	5331	Variety stores	6029	Commercial banks, nec
5044	Office equipment	5399	Miscellaneous general merchandise stores	6035	Federal savings institutions
5045	Computers, peripherals, and software	FOOD STORES		6036	Savings institutions, except federal
5046	Commercial equipment, nec	5411	Grocery stores	6061	Federal credit unions
5047	Medicinal and hospital equipment	5421	Meat and fish markets	6062	State credit unions
5048	Ophthalmic goods	5431	Fruit and vegetable markets	6081	Foreign banks and branches and agencies
5049	Professional equipment, nec	5441	Candy, nut, and confectionery stores	6082	Foreign trade and international banks
5051	Metals service centers and offices	5451	Dairy products stores	6091	Nondeposit trust facilities
5052	Coal and other minerals and ores	5461	Retail bakers	6099	Functions related to deposit banking
5063	Electrical apparatus and equipment	5499	Miscellaneous food stores	NONDEPOSITORY INSTITUTIONS	
5064	Electrical appliances, TV and radios	AUTOMOTIVE DEALERS AND SERVICE STATIONS		6111	Federal and federally-sponsored credit
5065	Electronic parts and equipment	5511	New and used car dealers	6141	Personal credit institutions
5072	Hardware	5521	Used car dealers	6153	Short-term business credit
5074	Plumbing and hydronic heating supplies	5531	Auto and home supply stores	6159	Miscellaneous business credit institutions
5075	Warm air heating and air conditioning	5541	Gasoline service stations	6162	Mortgage bankers and correspondents
5078	Refrigeration equipment and supplies	5551	Boat dealers	6163	Loan brokers
5082	Construction and mining machinery	5561	Recreational vehicle dealers		
		5571	Motorcycle dealers		

Note: nec = not elsewhere classified.

SIC CODES (Continued)

SIC Code	Industry	SIC Code	Industry	SIC Code	Industry
SECURITY AND COMMODITY BROKERS					
6211	Security brokers and dealers	7323	Credit reporting services	8011	Offices and clinics of medical doctors
6221	Commodity contracts brokers, dealers	7331	Direct mail advertising services	8021	Offices and clinics of dentists
6231	Security and commodity exchanges	7334	Photocopying and duplicating services	8031	Offices of osteopathic physicians
6282	Investment advice	7335	Commercial photography	8041	Offices and clinics of chiropractors
6289	Security and commodity services, nec	7336	Commercial art and graphic design	8042	Offices and clinics of optometrists
INSURANCE CARRIERS					
6311	Life insurance	7338	Secretarial and court reporting	8043	Office and clinics of podiatrists
6321	Accident and health insurance	7342	Disinfecting and pest control services	8049	Offices of health practitioners, nec
6324	Hospital and medical service plans	7349	Building maintenance services, nec	8051	Skilled nurse care facilities
6331	Fire, marine, and casualty insurance	7352	Medical equipment rental	8052	Intermediate care facilities
6351	Surety insurance	7353	Heavy construction equipment rental	8059	Nursing and personal care, nec
6361	Title insurance	7359	Equipment rental and leasing, nec	8062	General medical and surgical hospitals
6371	Pension, health, and welfare funds	7361	Employment agencies	8063	Psychiatric hospitals
6399	Insurance carriers, nec	7363	Help supply services	8069	Specialty hospitals, except psychiatric
INSURANCE AGENTS, BROKERS, AND SERVICE					
6411	Insurance agents, brokers, and service	7371	Computer programming services	8071	Medical laboratories
REAL ESTATE					
6512	Nonresidential building operators	7372	Prepackaged software	8072	Dental laboratories
6513	Apartment building operators	7373	Computer integrated systems design	8082	Home health care services
6514	Dwelling operators, except apartments	7374	Data processing services	8092	Kidney dialysis centers
6515	Mobile home site operators	7375	Information retrieval services	8093	Specialty outpatient clinics, nec
6517	Railroad property lessors	7376	Computer facilities management	8099	Health and allied services, nec
6519	Real property lessors, nec	7377	Computer rental and leasing	LEGAL SERVICES	
6531	Real estate agents and managers	7378	Computer maintenance and repair	8111	Legal services
6541	Title abstract offices	7379	Computer related services, nec	EDUCATIONAL SERVICES	
6552	Subdividers and developers, nec	7381	Detective and armored car services	8211	Elementary and secondary schools
6553	Cemetery subdividers and developers	7382	Security systems services	8221	Colleges and universities
HOLDING AND OTHER INVESTMENT OFFICES					
6712	Bank holding companies	7383	News syndicates	8222	Junior colleges
6719	Holding companies, nec	7384	Photofinishing laboratories	8231	Libraries
6722	Management investment, open-end	7389	Business services, nec	8243	Data processing schools
6726	Investment offices, nec	AUTOMOTIVE REPAIR, SERVICES, AND PARKING		8244	Business and secretarial schools
6732	Educational, religious, etc. trusts	7513	Truck rental and leasing, no drivers	8249	Vocational schools, nec
6733	Trusts, nec	7514	Passenger car rental	8299	Schools and educational services, nec
6792	Oil royalty traders	7515	Passenger car leasing	SOCIAL SERVICES	
6794	Patent owners and lessors	7519	Utility trailer rental	8322	Individual and family services
6798	Real estate investment trusts	7521	Automobile parking	8331	Job training and related services
6799	Investors, nec	7532	Top and body repair and paint shops	8351	Child day care services
SERVICES					
HOTELS AND OTHER LODGING PLACES					
7011	Hotels and motels	7533	Auto exhaust system repair shops	8361	Residential care
7021	Rooming and boarding houses	7534	Tire retreading and repair shops	8399	Social services, nec
7032	Sporting and recreational camps	7536	Automotive glass replacement shops	MUSEUMS, BOTANICAL, ZOOLOGICAL GARDENS	
7033	Trailer parks and campsites	7537	Automotive transmission repair shops	8412	Museums and art galleries
7041	Membership-basis organization hotels	7538	General automotive repair shops	8422	Botanical and zoological gardens
PERSONAL SERVICES					
7211	Power laundries, family and commercial	7539	Automotive repair shops, nec	MEMBERSHIP ORGANIZATIONS	
7212	Garment pressing and cleaners' agents	7542	Car washes	8611	Business associations
7213	Linen supply	7549	Automotive services, nec	8621	Professional organizations
7215	Coin-operated laundries and cleaning	MISCELLANEOUS REPAIR SERVICES		8631	Labor organizations
7216	Dry cleaning plants, except rug	7622	Radio and television repair	8641	Civic and social associations
7217	Carpet and upholstery cleaning	7623	Refrigeration service and repair	8651	Political organizations
7218	Industrial laundries	7629	Electrical repair shops, nec	8661	Religious organizations
7219	Laundry and garment services, nec	7631	Watch, clock, and jewelry repair	8699	Membership organizations, nec
7221	Photographic studios, portrait	7641	Reupholstery and furniture repair	ENGINEERING AND MANAGEMENT SERVICES	
7231	Beauty shops	7692	Welding repair	8711	Engineering services
7241	Barber shops	7694	Armature rewinding shops	8712	Architectural services
7251	Shoe repair and shoeshine shops	7699	Repair services, nec	8713	Surveying services
7261	Funeral service and crematories	MOTION PICTURES		8721	Accounting, auditing, and bookkeeping
7291	Tax return preparation services	7812	Motion picture and video production	8731	Commercial physical research
7299	Miscellaneous personal services, nec	7819	Services allied to motion pictures	8732	Commercial nonphysical research
BUSINESS SERVICES					
7311	Advertising agencies	7822	Motion picture and tape distribution	8733	Noncommercial research organizations
7312	Outdoor advertising services	7829	Motion picture distribution services	8734	Testing laboratories
7313	Radio, TV, publisher representatives	7832	Motion picture theaters except drive-in	8741	Management services
7319	Advertising, nec	7833	Drive-in motion picture theaters	8742	Management consulting services
7322	Adjustment and collection services	7841	Video tape rental	8743	Public relations services
AMUSEMENT AND RECREATION SERVICES					
7911	Dance studios, schools, and halls	MISCELLANEOUS REPAIR SERVICES		8744	Facilities support services
7922	Theatrical producers and services	7622	Radio and television repair	8748	Business consulting, nec
7929	Entertainers and entertainment groups	7623	Refrigeration service and repair	PRIVATE HOUSEHOLDS	
7933	Bowling centers	7629	Electrical repair shops, nec	8811	Private households
7941	Sports clubs, managers, and promoters	7631	Watch, clock, and jewelry repair	SERVICES, NEC	
7948	Racing, including track operation	7641	Reupholstery and furniture repair	8999	Services, nec
7991	Physical fitness facilities	7692	Welding repair		
7992	Public golf courses	7694	Armature rewinding shops		
7993	Coin-operated amusement devices	7699	Repair services, nec		
7996	Amusement parks	MOTION PICTURES			
7997	Membership sports and recreation clubs	7812	Motion picture and video production		
7999	Amusement and recreation, nec	7819	Services allied to motion pictures		

Note: nec = not elsewhere classified.

SIC CODES (Continued)

SIC Code	Industry	SIC Code	Industry	SIC Code	Industry
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PUBLIC ADMINISTRATION

EXECUTIVE, LEGISLATIVE, AND GENERAL

9111 Executive offices
 9121 Legislative bodies
 9131 Executive and legislative combined
 9199 General government, nec

JUSTICE, PUBLIC ORDER, AND SAFETY

9211 Courts
 9221 Police protection
 9222 Legal counsel and prosecution
 9223 Correctional institutions
 9224 Fire protection
 9229 Public order and safety, nec

FINANCE, TAXATION, AND MONETARY POLICY

9311 Finance, taxation, and monetary policy

ADMINISTRATION OF HUMAN RESOURCES

9411 Administration of educational programs
 9431 Administration of public health programs
 9441 Administration of social and manpower programs
 9451 Administration of veterans' affairs

ENVIRONMENTAL QUALITY, AND HOUSING

9511 Air, water, and solid waste management
 9512 Land, mineral, wildlife conservation
 9531 Housing programs
 9532 Urban and community development

ADMINISTRATION OF ECONOMIC PROGRAMS

9611 Admin. of general economic programs
 9621 Regulation, admin. of transportation
 9631 Regulation, administration of utilities
 9641 Regulation of agricultural marketing
 9651 Regulation of misc. commercial sectors
 9661 Space research and technology

NATIONAL SECURITY AND INTERNATIONAL AFFAIRS

9711 National security
 9721 International affairs

NONCLASSIFIABLE ESTABLISHMENTS

9999 Nonclassifiable establishment

EXCLUDED WASTES
(Reference 261.4 and 261.3(c)(2)(ii) of 40 CFR)

Waste Category	Waste Description
Acid	Potentially recyclable spent sulfuric acid that is used to produce virgin sulfuric acid. To be exempt, the acid must not be accumulated speculatively as defined in 40 CFR 261.1c.
Agriculture, Irrigation	Irrigation return flow.
Cement Kiln Dust	Waste from a cement kiln.
Chromium, Leather Tanning	A waste which is considered hazardous because: (1) it is listed due to the presence of chromium or; (2) it has failed the characteristics of EP toxicity due to chromium's presence. This waste must also meet the criteria for exclusion listed in 261.4(b)(6).
Drilling Fluids	A drilling fluid, produced water, or other waste associated with the exploration for or the development or production of crude oil, natural gas, or geothermal energy.
Emission Control Wastes	Fly ash waste, bottom ash waste, slag waste, or flue gas emission control waste generated primarily from the combustion of coal or other fossil fuels.
Fertilizer	Solid wastes generated from growing and harvesting of agriculture crops or raising of animals (including manure), where the waste is returned to the soil as a fertilizer.
Household	Household waste, including household waste that has been collected, transported, stored, treated, disposed, recovered (e.g., refuse-derived fuel), or reused. "Household waste" means any waste material (including garbage, trash, and sanitary wastes in septic tanks) derived from households (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day use recreation areas). <u>Note:</u> A resource recovery facility managing municipal solid waste shall not be deemed to be treating, storing, disposing of, or otherwise managing hazardous wastes for the purposes of regulation under RCRA if that facility: (1) receives and burns only household wastes (from single and multiple dwellings, hotels, motels, and other residential sources) and commercial or industrial solid waste that does not contain hazardous waste; and (2) does not accept hazardous wastes and the owner or operator of the facility has established contractual requirements or other appropriate notification or inspection procedures to assure that hazardous wastes are neither received nor burned in the facility.
Mining	A solid waste from the extraction, beneficiation, and processing of ores and minerals. (This includes phosphate rock and overburden from the mining of uranium ore.)
Mining, In situ	Material subjected to in situ mining techniques in which the material is not removed as part of the extraction process.
Mining, Overburden	Mining overburden returned to the mine site.

Excluded Wastes (Continued)

Waste Category	Waste Description
Nuclear	<p data-bbox="496 317 1430 409">Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954, as amended 42 U.S.C. 2011 et seq. From the Atomic Energy Act, these terms are defined as follows:</p> <p data-bbox="496 443 1430 598">"Byproduct material" means: (1) any radioactive material (except special nuclear material) yielded in or made radioactive by exposure to the radiation incident to the process of producing or utilizing special nuclear material; and (2) the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material content.</p> <p data-bbox="496 632 1430 787">"Source material" means: (1) uranium, thorium, or any other material which is determined by the Commission pursuant to the provisions of Section 2091 of this title to be source material; or (2) ores containing one or more of the foregoing materials in such concentration as the Commission may by regulation determine from time to time.</p> <p data-bbox="496 821 1430 976">"Special nuclear material" means: (1) plutonium, uranium enriched in the isotope 233 or in the isotope 235, and any other material which the Commission, pursuant to the provisions of Section 2071 of this title, determines to be special nuclear material, but does not include source material; or (2) any material artificially enriched by any of the foregoing, but does not include source material.</p> <p data-bbox="496 1010 1430 1073">If the excluded material described above is mixed with a hazardous waste, the material is regulated under RCRA as well as under the Nuclear Regulatory Act.</p>
Precipitation Runoff	Precipitation runoff generated by the treatment, storage, or disposal of hazardous waste.
Pulping Liquor	Potentially recyclable pulping liquor (black liquor) reclaimed in pulping liquor recovery furnace so long as the material is reused in the pulping process and is not accumulated speculatively as defined in 40 CFR 261.1(c).
Sewage, Domestic	Domestic sewage -- any untreated sanitary wastes that pass through a sewer system.
Sewage, Mixture	Any mixture of domestic sewage and other wastes that passes through a sewer system to a publicly owned treatment works (POTW).
Wastewater, Point Source Discharge	Industrial wastewater discharges that are point source discharges subject to regulation under Section 402 of the Clean Water Act, as amended. This exclusion applies only to the actual point source discharge. It does not exclude industrial wastewaters while they are being collected, stored, or treated before discharge, nor does it exclude sludges that are generated by industrial wastewater treatment.
Wood, Wood Products	A solid waste consisting of discarded wood or wood products which fails the test for the characteristics of EP toxicity (but is not considered hazardous for any other reason) and is generated by persons who utilize the arsenical-treatment wood and wood products for these materials' intended end uses.

EPA HAZARDOUS WASTE CODES

Code	Waste description	Code	Waste description
Characteristic Hazardous Waste			
D001	Ignitable waste		of these spent solvents and spent solvent mixtures
D002	Corrosive waste	F002	The following spent halogenated solvents: tetrachloroethylene; methylene chloride; trichloroethylene; 1,1,1-trichloroethane; chlorobenzene; 1,1,2-trichloro-1,2,2-trifluoroethane; ortho-dichlorobenzene; trichlorofluoromethane; and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of 10 percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures
D003	Reactive waste		
D004	Arsenic		
D005	Barium		
D006	Cadmium		
D007	Chromium		
D008	Lead		
D009	Mercury		
D010	Selenium		
D011	Silver		
D012	Endrin(1,2,3,4,10,10-hexachloro-1,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo, endo-5,8-dimeth-ano-naphthalene)	F003	The following spent nonhalogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent nonhalogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above nonhalogenated solvents, and a total of 10 percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures
D013	Lindane (1,2,3,4,5,6-hexachlorocyclohexane, gamma isomer)		
D014	Methoxychlor (1,1,1-trichloro-2,2-bis [p-methoxyphenyl] ethane)		
D015	Toxaphene (C ₁₀ H ₁₀ Cl ₈ , technical chlorinated camphene, 67-69 percent chlorine)	F004	The following spent nonhalogenated solvents: cresols, cresylic acid, and nitrobenzene; and the still bottoms from the recovery of these solvents; all spent solvent mixtures/blends containing before use a total of 10 percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures
D016	2,4-D (2,4-dichlorophenoxyacetic acid)		
D017	2,4,5-TP Silvex (2,4,5-trichlorophenoxypropionic acid)	F005	The following spent nonhalogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-
Hazardous Waste from Nonspecific Sources			
F001	The following spent halogenated solvents used in degreasing: tetrachloroethylene; trichloroethylene; methylene chloride; 1,1,1-trichloroethane; carbon tetrachloride and chlorinated fluorocarbons and all spent solvent mixtures/blends used in degreasing containing, before use, a total of 10 percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery		

(Continued)

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
	nitropropane; all spent solvent mixtures/blends containing, before use, a total of 10 percent or more (by volume) of one or more of the above nonhalogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures		formulating process) of tri- or tetrachlorophenol or of intermediates used to produce their pesticide derivatives (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc, and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum	F021	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce derivatives
F007	Spent cyanide plating bath solutions from electroplating operations	F022	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta- or hexachlorobenzenes under alkaline conditions
F008	Plating bath residues from the bottom of plating baths from electroplating operations in which cyanides are used in the process	F023	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
F009	Spent stripping and cleaning bath solutions from electroplating operations in which cyanides are used in the process	F024	Wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes from the production of chlorinated aliphatic hydrocarbons, having a carbon content from one to five, utilizing free radical catalyzed processes (This listing does not include light ends, spent filters and filter aids, spent dessicants, wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in Section 261.32.)
F010	Quenching bath residues from oil baths from metal heat treating operations in which cyanides are used in the process		
F011	Spent cyanide solutions from slat bath pot cleaning from metal heat treating operations		
F012	Quenching waste water treatment sludges from metal heat treating operations in which cyanides are used in the process		
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum		
F020	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a		

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions	K008	Oven residue from the production of chrome oxide green pigments
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)	K009	Distillation bottoms from the production of acetaldehyde from ethylene
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA hazardous waste nos. F020, F021, F022, F023, F026, and F027	K010	Distillation side cuts from the production of acetaldehyde from ethylene
Hazardous Waste from Specific Sources		K011	Bottom stream from the wastewater stripper in the production of acrylonitrile
K001	Bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol	K013	Bottom stream from the acetonitrile column in the production of acrylonitrile
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments	K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile
K003	Wastewater treatment sludge from the production of molybdate orange pigments	K015	Still bottoms from the distillation of benzyl chloride
K004	Wastewater treatment sludge from the production of zinc yellow pigments	K016	Heavy ends or distillation residues from the production of carbon tetrachloride
K005	Wastewater treatment sludge from the production of chrome green pigments	K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)	K018	Heavy ends from the fractionation column in ethyl chloride production
K007	Wastewater treatment sludge from the production of iron blue pigments	K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production
		K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production
		K021	Aqueous spent antimony catalyst waste from fluoromethane production
		K022	Distillation bottom tars from the production of phenol/acetone from cumene
		K023	Distillation light ends from the production of phthalic anhydride from naphthalene
		K024	Distillation bottoms from the production of phthalic anhydride from naphthalene
		K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
K026	Stripping still tails from the production of methyl ethyl pyridines	K043	2,6-dichlorophenol waste from the production of 2,4-D
K027	Centrifuge and distillation residues from toluene diisocyanate production	K044	Wastewater treatment sludges from the manufacturing and processing of explosives
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane	K045	Spent carbon from the treatment of wastewater containing explosives
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane	K046	Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene	K047	Pink/red water from TNT operations
K031	By-product salts generated in the production of MSMA and cacodylic acid	K048	Dissolved air flotation (DAF) float from the petroleum refining industry
K032	Wastewater treatment sludge from the production of chlordane	K049	Slop oil emulsion solids from the petroleum refining industry
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane	K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane	K051	API separator sludge from the petroleum refining industry
K035	Wastewater treatment sludges generated in the production of creosote	K052	Tank bottoms (leaded) from the petroleum refining industry
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton	K060	Ammonia still lime sludge from coking operations
K037	Wastewater treatment sludges from the production of disulfoton	K061	Emission control dust/sludge from the primary production of steel in electric furnaces
K038	Wastewater from the washing and stripping of phorate production	K062	Spent pickle liquor from steel finishing operations of plants that produce iron or steel
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate	K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production
K040	Wastewater treatment sludge from the production of phorate	K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities
K041	Wastewater treatment sludge from the production of toxaphene	K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T	K069	Emission control dust/sludge from secondary lead smelting

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
K071	Brine purification muds from the mercury cell process in chlorine production, in which separately prepurified brine is not used	K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production	K098	Untreated process wastewater from the production of toxaphene
K083	Distillation bottoms from aniline production	K099	Untreated wastewater from the production of 2,4-D
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes	K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead	K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds
K087	Decanter tank tar sludge from coking operations	K103	Process residues from aniline extraction from the production of aniline
K088	Spent potliners from primary aluminum reduction	K104	Combined wastewater streams generated from nitrobenzene/aniline production
K090	Emission control dust or sludge from ferrochromiumsilicon production	K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes
K091	Emission control dust or sludge from ferrochromium production	K106	Wastewater treatment sludge from the mercury cell process in chlorine production
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene	K111	Product washwaters from the production of dinitrotoluene via nitration of toluene
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene	K112	Reaction byproduct water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene
K095	Distillation bottoms from the production of 1,1,1-trichloroethane	K113	Condensed liquid light ends from purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane		

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
K114	Vicinals from the purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene	Discarded Commercial Chemical Products, Off-Specification Species, Container Residuals, and Spill Residues Thereof--Acute Hazardous Waste <i>(An alphabetized listing can be found at 40 CFR 261.33.)</i>	
K115	Heavy ends from purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	P001	Warfarin, when present at concentrations greater than or equal to 0.3%
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine	P001	3-(alpha-Acetylbenzyl)-4-hydroxycoumarin and salts, when present at concentrations greater than 0.3%
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene	P002	Acetamide, N-(aminothioxomethyl)
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene	P002	1-Acetyl-2-thiourea
K123	Process wastewater (including supernates, filtrates, and wash waters) from the production of Ethylenedisithiocarbamic Acids and their salts. Hazardous Code T	P003	2-Propenal
K124	Reactor vent scrubber water from the production of Ethylenedisithiocarbamic Acids and their salts. Hazardous Code T	P003	Acrolein
K125	Filtration, evaporation, and centrifugation of solids from the production of Ethylenedisithiocarbamic Acids and their salts. Hazardous Code T and C	P004	1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,exo-dimethanonaphthalene
K126	Baghouse dust and floor sweepings in milling and packaging operations from production or formulation of Ethylenedisithiocarbamic Acids and their salts. Hazardous Code T	P004	Aldrin
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene	P005	2-propen-1-ol
		P005	Allyl alcohol
		P006	Aluminum phosphide (r,t)
		P007	3(2H)-isoxazolone,5-(aminomethyl)-
		P007	5-(aminomethyl)-3-isoxazolol
		P008	4-a-aminopyridine
		P008	4-pyridinamine
		P008	4-aminopyridine
		P009	Phenol,2,4,6-trinitro-,ammonium salt (r)
		P009	Ammonium picrate (r)
		P010	Arsenic acid (t)
		P011	Arsenic pentoxide (t)
		P011	Arsenic (V) oxide (t)
		P012	Arsenic (III) oxide (t)
		P012	Arsenic trioxide (t)
		P013	Barium cyanide
		P014	Thiophenol

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
P014	Benzenethiol	P036	Phenyl dichloroarsine
P015	Beryllium dust (t)	P037	Dieldrin
P016	Methane,oxybis(chloro)-	P037	1,2,3,4,10,10-hexachloro-6,7-epoxy-
P016	Bis(chloromethyl) ether		1,4,4a,5,6,7,8,8a-octahydro-endo,exo-
P017	2-propanone,1-bromo- (t)		1,4:5,8-dimethanonaph-thalene
P017	Bromoacetone (t)	P038	Diethylarsine (t)
P018	Strychnidinone,2,3-dimethoxy-	P038	Arsine, diethyl- (t)
P018	Brucine	P039	0,0-diethyl S-[2-(ethylthio)ethyl] phosphorodithioate (t)
P020	Dinoseb	P039	Disulfoton (t)
P020	Phenol,2,4-dinitro-6-(1-methylpropyl)-	P040	0,0-diethyl 0-pyrazinyl phosphorothioate
P021	Calcium cyanide	P040	Phosphorothioic acid, 0,0-diethyl 0- pyrazinyl ester
P022	Carbon bisulfide (t)	P041	Diethyl-p-nitrophenyl phosphate
P022	Carbon disulfide (t)	P041	Phosphoric acid, diethyl p-nitrophenyl ester
P023	Acetaldehyde, chloro-	P042	Epinephrine
P023	Chloroacetaldehyde	P042	1,2-benzenediol, 4-[1-hydroxy-2- (methylamino)ethyl]-
P024	Benzenamine, 4-chloro-	P043	Diisopropyl fluorophosphate
P024	p-Chloroaniline	P043	Fluoridic acid, bis(1-methylethyl) ester
P026	Thiourea, (2-chlorophenyl)-	P043	Phosphorofluoridic acid, bis(1- methylethyl) ester
P026	1-(o-Chlorophenyl)thiourea	P044	Dimethoate (t)
P027	Propanenitrile,3-chloro-	P044	Phosphorodithioic acid, 0,0-dimethyl S-[2- (methylamino)-2-oxoethyl]ester (t)
P027	3-Chloropropionitrile	P045	3,3-dimethyl-1-(methylthio)-2-butanone, 0- [(methylamino)carbonyl]oxime
P028	Benzene, (chloromethyl)-	P045	Thiofanox
P028	Benzyl chloride	P046	alpha,alpha-dimethylphenethylamine (t)
P029	Copper cyanides	P046	Ethanamine,1,1-dimethyl-2-phenyl- (t)
P030	Cyanides (soluble cyanide salts), not elsewhere specified (t)	P047	4,6-dinitro-o-cresol and salts
P031	Cyanogen	P047	Phenol,2,4-dinitro-6-methyl-, and salts
P033	Cyanogen chloride	P048	2,4-dinitrophenol
P033	Chlorine cyanide	P048	Phenol,2,4-dinitro-
P034	4,6-dinitro-o-cyclohexylphenol (t)		
P034	Phenol,2-cyclohexyl-4,6-dinitro- (t)		
P036	Dichlorophenylarsine		

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
P049	2,4-Dithiobiuret	P067	2-methylaziridine
P049	Thioimidodicarbonic diamide	P067	1,2-propylenimine
P050	Endosulfan	P068	Hydrazine, methyl-
P050	5-norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro, cyclic sulfite	P068	Methyl hydrazine
P051	1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanon-aphthalene	P069	2-methylactonitrile
P051	Endrin	P069	Propanenitrile, 2-hydroxy-2-methyl-
P054	Ethylenimine	P070	Propanal, 2-methyl-2-(methylthio)-, 0[(methylamino)carbonyl]oxime
P054	Aziridine	P070	Aldicarb
P056	Fluorine	P071	0,0-dimethyl 0-p-nitrophenyl phosphorothioate
P057	Fluoroacetamide	P071	Methyl parathion
P057	Acetamide, 2-fluor-	P072	alpha-Naphthylthiourea
P058	Fluoroacetic acid, sodium salt	P072	Thiourea, 1-naphthalenyl-
P058	Acetic acid, fluoro-, sodium salt	P073	Nickel tetracarbonyl
P059	Heptachlor	P073	Nickel carbonyl
P059	4,7-methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	P074	Nickel(II)cyanide
P060	Hexachlorohexahydro-endo,endo-dimethanonaphthalene	P074	Nickel cyanide
P060	1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,endo-dimethanonaphthalene	P075	Nicotine and salts (t)
P062	Hexaethyl tetraphosphate	P075	Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-, and salts
P062	Tetraphosphoric acid, hexaethyl ester	P076	Nitrogen (II) oxide (t)
P063	Hydrocyanic acid	P076	Nitric oxide (t)
P063	Hydrogen cyanide	P077	p-Nitroaniline (t)
P064	Methyl isocyanate	P077	Benzenamine, 4-nitro-
P064	Isocyanic acid, methyl ester	P078	Nitrogen (IV) oxide
P065	Fulminic acid, mercury(II) salt (r,t)	P078	Nitrogen dioxide
P065	Mercury fulminate (r,t)	P081	Nitroglycerine (r,t)
P066	Methomyl	P081	1,2,3-propanetriol, trinitrate-(r)
P066	Acetimidic acid, N-[(methylcarbamoyl)oxy]thio-, methyl ester	P082	Dimethylnitrosamine
		P082	N-nitrosodimethylamine
		P084	Ethenamine, N-methyl-N-nitroso-
		P084	N-nitrosomethylvinylamine

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
P085	Diphosphoramidate, octamethyl-	P105	Sodium azide
P085	Octamethylpyrophosphoramidate	P106	Sodium cyanide
P087	Osmium tetroxide	P108	Strychnidin-10-one, and salts (t)
P087	Osmium oxide	P108	Strychnine and salts (t)
P088	Endothall	P109	Dithiopyrophosphoric acid, tetraethyl ester
P088	7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	P109	Tetraethyldithiopyrophosphate
P089	Parathion (t)	P110	Plumbane, tetraethyl-
P089	Phosphorothioic acid, 0,0-diethyl 0-(p-nitrophenyl) ester (t)	P110	Tetraethyl lead
P092	Mercury, (acetato-0)phenyl-	P111	Tetraethylpyrophosphate
P092	Phenylmercuric acetate	P111	Pyrophosphoric acid, tetraethyl ester
P093	N-phenylthiourea	P112	Methane, tetranitro- (r)
P093	Thiourea, phenyl-	P112	Tetranitromethane (r)
P094	Phosphorothioic acid, 0,0-diethyl S-(ethylthio)methyl ester (t)	P113	Thallium(III) oxide
P094	Phorate (t)	P113	Thallic oxide
P095	Phosgene (t)	P114	Thallium(I) selenide
P095	Carbonyl chloride	P115	Sulfuric acid, thallium(I) salt
P096	Hydrogen phosphide	P115	Thallium(I) sulfate
P096	Phosphine	P116	Hydrazinecarbothioamide
P097	Famphur	P116	Thiosemicarbazide
P097	Phosphorothioic acid, 0,0-dimethyl 0-[p-((dimethylamino)-sulfonyl)phenyl]ester	P118	Methanethiol, trichloro-
P098	Potassium cyanide	P118	Trichloromethanethiol
P099	Potassium silver cyanide	P119	Vanadic acid, ammonium salt
P101	Ethyl cyanide	P119	Ammonium vanadate
P101	Propanenitrile	P120	Vanadium pentoxide
P102	Propargyl alcohol	P120	Vanadium(V) oxide
P102	2-propyn-1-ol	P121	Zinc cyanide
P103	Selenourea	P122	Zinc phosphide (r,t)
P103	Carbamimidoseleonic acid	P122	Zinc phosphide, when present at concentrations greater than 10%
P104	Silver cyanide	P123	Toxaphene
		P123	Camphene, octachloro-

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
Discarded Commercial Chemical Products, Off-Specification Species, Container Residues, and Spill Residues Thereof--Toxic Waste (An alphabetized listing can be found at 40 CFR 261.33.)		U015	L-serine, diazoacetate (ester)
U001	Ethanal (i)	U015	Azaserine
U001	Acetaldehyde (i)	U016	Benz[c]acridine
U002	2-propanone (i)	U016	3,4-benzacridine
U002	Acetone (i)	U017	Benzal chloride
U003	Ethanenitrile (i,t)	U017	Benzene, (dichloromethyl)-
U003	Acetonitrile (i,t)	U018	Benz[a]anthracene
U004	Ethanone,1-phenyl-	U018	1,2-benzanthracene
U004	Acetophenone	U019	Benzene (i,t)
U005	2-acetylaminofluorene	U020	Benzenesulfonyl chloride (c,r)
U005	Acetamide, N-9H-fluoren-2-yl-	U020	Benzenesulfonic acid chloride (c,r)
U006	Ethanoyl chloride (c,r,t)	U021	Benzidine
U006	Acetyl chloride (c,r,t)	U021	(1,1'-biphenyl)-4,4'-diamine
U007	2-propenamide	U022	Benzo[a]pyrene
U007	Acrylamide	U022	3,4-benzopyrene
U008	2-propenoic acid (i)	U023	Benzotrichloride (c,r,t)
U008	Acrylic acid (i)	U023	Benzene, (trichloromethyl)-(c,r,t)
U009	2-propenenitrile	U024	Bis(2-chloroethoxy) methane
U009	Acrylonitrile	U024	Ethane,1,1'-[methylenebis(oxy)]bis[2-chloro-
U010	Mitomycin C	U025	Dichloroethyl ether
U010	Azirino(2'3':3,4)pyrrolo(1,2-a)indole-4,7-dione, 6-amino-8-[[[(aminocarbonyl)oxy)methyl]-1,1a,2,8, 8a,8b-hexahydro-8a-methoxy-5-methyl-	U025	Ethane,1,1'-oxybis[2-chloro-
U011	1H-1,2,4-triazol-3-amine	U026	2-naphthylamine,N,N-bis(2-chloromethyl)-
U011	Amitrole	U026	Chlornaphazine
U012	Benzenamine (i,t)	U027	Propane,2,2'-oxybis[2-chloro-
U012	Aniline (i,t)	U027	Bis(2-chloroisopropyl) ether
U014	Auramine	U028	Bis(2-ethylhexyl) phthalate
U014	Benzenamine, 4,4'-carbonimidoylbis(N,N-dimethyl-	U028	1,2-benzenedicarboxylic acid, [bis(2-ethylhexyl)]ester
		U029	Methane, bromo-
		U029	Methyl bromide
		U030	4-bromophenyl phenyl ether
		U030	Benzene, 1-bromo-4-phenoxy-

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
U031	1-butanol (i)	U047	Naphthalene, 2-chloro-
U031	N-butyl alcohol (i)	U047	beta-chloronaphthalene
U032	Calcium chromate	U048	Phenol, 2-chloro-
U032	Chromic acid, calcium salt	U048	o-chlorophenol
U033	Carbonyl fluoride (r,t)	U049	4-chloro-o-toluidine, hydrochloride
U033	Carbon oxyfluoride (r,t)	U049	Benzenamine, 4-chloro-2-methyl-
U034	Chloral	U050	1,2-benzphenanthrene
U034	Acetaldehyde, trichloro-	U050	Chrysene
U035	Butanoic acid, 4-[bis(2-chloroethyl)amino]benzene-	U051	Creosote
U035	Chlorambucil	U052	Cresylic acid
U036	4,7-methanoindan, 1,2,4,5,6,7,8,8-octa-chloro-3a,4,7,7a-tetrahydro-	U052	Cresols
U036	Chlordane, technical	U053	2-butenal
U037	Chlorobenzene	U053	Crotonaldehyde
U037	Benzene, chloro-	U055	Cumene (i)
U038	Ethyl 4,4'-dichlorobenzilate	U055	Benzene, (1-methylethyl)-(i)
U038	Benzeneacetic acid, 4-chloro-alpha-4-chloro-phenyl)-alpha-hydroxy, ethyl ester	U056	Cyclohexane (i)
U039	Phenol, 4-chloro-3-methyl-	U056	Benzene, hexahydro- (i)
U039	4-chloro-m-cresol	U057	Cyclohexanone (i)
U041	Oxirane, 2-(chloromethyl)-	U058	2H-1,3,2-oxazaphosphorine, 2-[bis(2-chloroethyl)amino]-tetrahydro-2 oxide
U041	1-chloro-2,3-epoxypropane	U058	Cyclophosphamide
U042	Ethene, 2-chloroethoxy-	U059	5,12-naphthacenedione, (8S-cis)-8-acetyl[(3-amino-2,3,6-trideoxy-alpha-L-lyxohexopyranosyl)oxyl]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-
U042	2-chloroethyl vinyl ether	U059	Daunomycin
U043	Ethene, chloro	U060	Dichloro diphenyl dichloroethane
U043	Vinyl chloride	U060	DDD
U044	Methane, trichloro-	U061	DDT
U044	Chloroform	U061	Dichloro diphenyl trichloroethane
U045	Methane, chloro-(i,t)	U062	Diallate
U045	Methyl chloride (i,t)	U062	S-(2,3-dichloroallyl) diisopropylthiocarbamate
U046	Methane, chloromethoxy-	U063	Dibenz[a,h]anthracene
U046	Chloromethyl methyl ether		

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
U063	1,2:5,6-dibenzanthracene	U080	Methylene chloride
U064	Dibenz[a,i]pyrene	U081	Phenol,2,4-dichloro-
U064	1,2:7,8-dibenzopyrene	U081	2,4-Dichlorophenol
U066	Propane,1-2-dibromo-3-chloro-	U082	Phenol,2,6-dichloro-
U066	1,2-dibromo-3-chloropropane	U082	2,6-dichlorophenol
U067	Ethylene dibromide	U083	Propylene dichloride
U067	Ethane, 1,2-dibromo-	U083	1,2-dichloropropane
U068	Methane, dibromo-	U084	Propene,1,3-dichloro-
U068	Methylene bromide	U084	1,3-dichloropropene
U069	Dibutyl phthalate	U085	2,2'-bioxirane (i,t)
U069	1,2-benzenedicarboxylic acid, dibutyl ester	U085	1,2:3,4-diepoxybutane (i,t)
U070	o-dichlorobenzene	U086	Hydrazine, 1,2-diethyl-
U070	Benzene, 1,2-dichloro-	U086	N,N-diethylhydrazine
U071	m-dichlorobenzene	U087	Phosphorodithioic acid,0,0-diethyl-, S-methyl-ester
U071	Benzene, 1,3-dichloro-	U087	0,0-diethyl-S-methyl-dithiophosphate
U072	p-dichlorobenzene	U088	Diethyl phthalate
U072	Benzene, 1,4-dichloro	U088	1,2-benzenedicarboxylic acid, diethyl ester
U073	(1,1'-biphenyl)-4,4'-diamine,3,3'-dichloro	U089	4,4'-stilbenediol,alpha,alpha'-diethyl-
U073	3,3'-dichlorobenzidine	U089	Diethylstilbestrol
U074	2-butene,1,4-dichloro-(i,t)	U090	Dihydrosafrole
U074	1,4-dichloro-2-butene (i,t)	U090	Benzene,1,2-methylenedioxy-4-propyl-
U075	Methane, dichlorodifluoro-	U091	(1,1'-biphenyl)-4,4'-diamine,3,3'-dimethoxy-
U075	Dichlorodifluoromethane	U091	3,3'-dimethoxybenzidine
U076	Ethylidene dichloride	U092	Methanamine, N-methyl-(i)
U076	Ethane,1,1-dichloro-	U092	Dimethylamine (i)
U077	Ethylene dichloride	U093	Dimethylaminoazobenzene
U077	Ethane,1,2-dichloro-	U093	Benzenamine, N,N-dimethyl-4-phenylazo-
U078	Ethene,1-1-dichloro-	U094	7,12-dimethylbenz[a]anthracene
U078	1,1-dichloroethylene	U094	1,2-benzanthracene,7,12-dimethyl-
U079	Ethene, trans-1,2-dichloro-	U095	(1,1'-biphenyl)-4,4'-diamine,3,3'-dimethyl-
U079	1,2-dichloroethylene	U095	3,3'-dimethylbenzidine
U080	Methane, dichloro-		

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
U096	Hydroperoxide, 1-methyl-phenylethyl-(r)	U113	2-propenoic acid, ethyl ester (i)
U096	Alpha, alpha-Dimethylbenzylhydroperoxide-(r)	U113	Ethyl acrylate (i)
U097	Carbamoyl chloride, dimethyl-	U114	Ethylenebis(dithiocarbamic acid), salts and esters
U097	Dimethylcarbamoyl chloride	U114	1,2-ethanediylbiscarbamodithioic acid
U098	Hydrazine, 1,1-dimethyl-	U115	Oxirane (i,t)
U098	1,1-dimethylhydrazine	U115	Ethylene oxide (i,t)
U099	Hydrazine, 1,2-dimethyl-	U116	Ethylene thiourea
U099	1,2-dimethylhydrazine	U116	2-imidazolidinethione
U101	Phenol, 2,4-dimethyl-	U117	Ethyl ether (1)
U101	2,4-dimethylphenol	U117	Ethane, 1,1'-oxybis- (i)
U102	Dimethyl phthalate	U118	2-propenoic acid, 2-methyl-, ethyl ester
U102	1-2-benzenedicarboxylic acid, dimethyl ester	U118	Ethyl methacrylate
U103	Sulfuric acid, dimethyl ester	U119	Ethyl methanesulfonate
U103	Dimethyl sulfate	U119	Methanesulfonic acid, ethyl ester
U105	2,4-dinitrotoluene	U120	Fluoranthene
U105	Benzene, 1-methyl-2,4-dinitro-	U120	Benzo[j,k]fluorene
U106	2,6-dinitrotoluene	U121	Trichloromonofluoromethane
U106	Benzene, 1-methyl-2,6-dinitro	U121	Methane, trichlorofluoro-
U107	Di-n-octyl phthalate	U122	Formaldehyde
U107	1-2-benzenedicarboxylic acid, di-n-octyl ester	U122	Methylene oxide
U108	1,4-diethylene dioxide	U123	Formic acid (c,t)
U108	1,4-dioxane	U123	Methanoic acid (c,t)
U109	Hydrazine, 1,2-diphenyl-	U124	Furan (i)
U109	1,2-diphenylhydrazine	U124	Furfuran (i)
U110	1-propanamine, N-propyl-(i)	U125	Furfural (i)
U110	Dipropylamine (i)	U125	2-furancarboxaldehyde (i)
U111	N-nitroso-N-propylamine	U126	1-propanol, 2,3-epoxy-
U111	Di-N-propylnitrosamine	U126	Glycidylaldehyde
U112	Ethyl acetate (i)	U127	Hexachlorobenzene
U112	Acetic acid, ethyl ester (i)	U127	Benzene, hexachloro-
		U128	Hexachlorobutadiene

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
U128	1,3-butadiene,1,1,2,3,4,4-hexachloro-	U144	Acetic acid, lead salt
U129	Hexachlorocyclohexane (gamma isomer)	U145	Phosphoric acid, lead salt
U129	Lindane	U145	Lead phosphate
U130	Hexachlorocyclopentadene	U146	Lead subacetate
U130	1,3-cyclopentadiene,1,2,3,4,5,5-hexachloro-	U147	2,5-furandione
U131	Hexachloroethane	U147	Maleic anhydride
U131	Ethane,1,1,1,2,2,2-hexachloro-	U148	Maleic hydrazide
U132	Hexachlorophene	U148	1,2-dihydro-3,6-pyridazinedione
U132	2,2-methylenebis(3,4,6-trichlorophenol)	U149	Propanedinitrile
U133	Hydrazine (r,t)	U149	Malononitrile
U133	Diamine (r,t)	U150	Melphalan
U134	Hydrogen fluoride (c,t)	U150	Alanine, 3-[p-bis(2-chloroethyl)amino]phenyl-,L-
U134	Hydrofluoric acid (c,t)	U151	Mercury
U135	Sulfur hydride	U152	Propenenitrile,2-methyl- (i,t)
U135	Hydrogen sulfide	U152	Methacrylonitrile (i,t)
U136	Hydroxydimethylarsine oxide	U153	Thiomethanol (i,t)
U136	Cacodylic acid	U153	Methanethiol (i,t)
U137	1,10-(1,2-phenylene)pyrene	U154	Methanol (i)
U137	Ideno[1,2,3-cd]pyrene	U154	Methyl alcohol (i)
U138	Methane, iodo-	U155	Pyridine, 2-[(2-dimethylamino)ethyl]-2-phenylamino-
U138	Methyl iodide	U155	Methapyrilene
U139	Ferric dextran	U156	Methyl chlorocarbonate (i,t)
U139	Iron dextran	U156	Carbonochloridic acid, methyl ester (i,t)
U140	1-propanol,2-methyl- (i,t)	U157	3-methylcholanthrene
U140	Isobutyl alcohol (i,t)	U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-
U141	Isosafrole	U158	4,4'-Methylenebis(2-chloroaniline)
U141	Benzene, 1,2-methylenedioxy-4-propenyl-	U158	Benzenamine,4,4'-methylenebis(2-chloro-
U142	Kepone	U159	Methyl ethyl ketone (i,t)
U142	Decachlorooctahydro-1,3,4-metheno-2H-cyclobuta[c,d]-pentalen-2-one	U159	2-butanone (i,t)
U143	Lasiocarpine	U160	Methyl ethyl ketone peroxide (r,t)
U144	Lead acetate		

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
U160	2-butanone peroxide (r,t)	U177	Carbamide,N-methyl-N-nitroso-
U161	4-methyl-2-pentanone (i)	U178	N-nitroso-N-methylurethane
U161	Methyl isobutyl ketone (i)	U178	Carbamic acid, methylnitroso-, ethyl ester
U162	2-propenoic acid, 2-methyl-, methyl ester (i,t)	U179	N-nitrosopiperidine
U162	Methyl methacrylate (i,t)	U179	Pyridine,hexahydro-N-nitroso-
U163	Guanidine, N-nitroso-N-methyl-N'-nitro-	U180	Nitrosopyrrolidine
U163	N-methyl-N'-nitro-N-nitrosoguanidine	U180	Pyrrole, tetrahydro-N-nitroso-
U164	4(1H)-pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	U181	5-nitro-o-toluidine
U164	Methylthiouracil	U181	Benzenamine,2-methyl-5-nitro
U165	Naphthalene	U182	Paraldehyde
U166	1,4,naphthoquinone	U182	1,3,5-trioxane,2,4,6-trimethyl-
U166	1,4-naphthalenedione	U183	Pentachlorobenzene
U167	1-naphthylamine	U183	Benzene, pentachloro-
U167	alpha-naphthylamine	U184	Pentachloroethane
U168	2-naphthylamine	U184	Ethane, pentachloro-
U168	beta-naphthylamine	U185	Pentachloronitrobenzene
U169	Nitrobenzene (i,t)	U185	Benzene, pentachloronitro-
U169	Benzene, nitro- (i,t)	U186	1,3-pentadiene (i)
U170	Phenol,4-nitro-	U186	1-methylbutadiene (i)
U170	p-nitrophenol	U187	Phenacetin
U171	Propane,2-nitro-(i,t)	U187	Acetamide, N-(4-ethoxyphenyl)-
U171	2-Nitropropane (i,t)	U188	Phenol
U172	N-nitrosodi-N-butylamine	U188	Benzene, hydroxy-
U172	1-butanamine, N-butyl-N-nitroso-	U189	Phosphorus sulfide (r)
U173	Ethanol,2,2-(nitrosoimino)bis-	U189	Sulfur phosphide (r)
U173	N-nitrosodiethanolamine	U190	Phthalic anhydride
U174	N-nitrosodiethylamine	U190	1,2-benzenedicarboxylic acid anhydride
U174	Ethanamine, N-ethyl-N-nitroso-	U191	2-picoline
U176	N-nitroso-N-ethylurea	U191	Pyridine, 2-methyl-
U176	Carbamide,N-ethyl-N-nitroso-	U192	Pronamide
U177	N-nitroso-N-methylurea	U192	3,5-dichloro-N-(1,1-dimethyl-2-propynyl) benzamide

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
U193	1,2-oxathiolane, 2,2-dioxide	U211	Methane, tetrachloro-
U193	1,3-propane sultone	U211	Carbon tetrachloride
U194	1-propanamine (i,t)	U213	Tetrahydrofuran (i)
U194	N-propylamine (i,t)	U213	Furan, tetrahydro- (i)
U196	Pyridine	U214	Thallium(I) acetate
U197	p-benzoquinone	U214	Acetic acid, thallium(I) salt
U197	1,4-cyclohexadienedione	U215	Thallium(I) carbonate
U200	Reserpine	U215	Carbonic acid, dithallium(I) salt
U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester	U216	Thallium(I) chloride
U201	Resorcinol	U217	Thallium(I) nitrate
U201	1,3-benzenediol	U218	Thioacetamide
U202	Saccharin and salts	U218	Ethanethioamide
U202	1,2-benzisothiazolin-3-one, 1,1-dioxide, and salts	U219	Thiourea
U203	Safrole	U219	Carbamide, thio-
U203	Benzene, 1,2-methylenedioxy-4-allyl-	U220	Toluene
U204	Selenious acid	U220	Benzene, methyl-
U204	Selenium dioxide	U221	Toluenediamine
U205	Selenium disulfide (r,t)	U221	Diaminotoluene
U205	Sulfur selenide (r,t)	U222	o-toluidine hydrochloride
U206	Streptozotocin	U222	Benzenamine, 2-methyl-, hydrochloride
U206	D-glucopyranose, 2-deoxy-2(3-methyl-3-nitrosoureido)-	U223	Toluene diisocyanate (r,t)
U207	1,2,4,5-tetrachlorobenzene	U223	Benzene, 1,3-diisocyanatomethyl- (r,t)
U207	Benzene, 1,2,4,5-tetrachloro-	U225	Methane, tribromo-
U208	1,1,1,2-tetrachloroethane	U225	Bromoform
U208	Ethane, 1,1,1,2-tetrachloro-	U226	1,1,1-trichloroethane
U209	1,1,2,2-tetrachloroethane	U226	Methylchloroform
U209	Ethane, 1,1,2,2-tetrachloro-	U227	1,1,2-trichloroethane
U210	Tetrachloroethylene	U227	Ethane, 1,1,2-trichloro-
U210	Ethene, 1,1,2,2-tetrachloro	U228	Trichloroethylene
		U228	Trichloroethene
		U234	sym-trinitrobenzene (r,t)
		U234	Benzene, 1,3,5-trinitro- (r,t)

EPA HAZARDOUS WASTE CODES (Continued)

Code	Waste description	Code	Waste description
U235	1-propanol,2,3-dibromo-,phosphate (3:1)	U353	p-toluidine
U235	Tris(2,3-dibromopropyl) phosphate	U359	2-ethoxyethanol
U236	Trypan blue	U359	Ethylene glycol monoethyl ether
U236	2,7-naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)]-bis(azo)bis(5-amino -4-hydroxy), tetrasodium salt		
U237	Uracil mustard		
U237	Uracil, 5-[bis(2-chloroethyl)-amino]-		
U238	Ethyl carbamate (urethan)		
U238	Carbamic acid, ethyl ester		
U239	Xylene (i)		
U239	Benzene, dimethyl- (i,t)		
U240	2,4-D, salts and esters		
U240	2,4-dichlorophenoxyacetic acid, salts, and esters		
U243	1-propene,1,1,2,3,3,3-hexachloro-		
U243	Hexachloropropene		
U244	Thiram		
U244	Bis(dimethylthiocarbamoyl) disulfide		
U246	Bromine cyanide		
U246	Cyanogen bromide		
U247	Ethane, 1,1,1-trichloro-2-2-bis(p-methoxyphenyl)		
U247	Methoxychlor		
U248	Warfarin, when present at concentrations of 0.3% or less		
U248	3-(alpha-acetonylbenzyl)-4-hydroxycoumarin and salts, when present at concentrations of 0.3% or less		
U249	Zinc phosphide, when present at concentrations of 10% or less		
U328	2-amino-L-methylbenzene		
U328	o-Toluidine		
U353	4-amino-L-methylbenzene		

SOURCE CODES

[illegible]

SOURCE CODES (Continued)

Code	Waste source
------	--------------

Other Processes

- | | |
|-----|---|
| A81 | Clothing and personal protective equipment |
| A82 | Routine clean-up wastes (e.g., floor sweepings) |
| A89 | Other (Specify in Comments) |

FORM CODES

Code	Waste description
------	-------------------

LAB PACKS

LAB PACKS - Lab packs of mixed wastes, chemicals, lab wastes

- | | |
|------|---------------------------------------|
| B001 | Lab packs of old chemicals only |
| B002 | Lab packs of debris only |
| B003 | Mixed lab packs |
| B009 | Other lab packs (Specify in Comments) |

LIQUIDS

INORGANIC LIQUIDS - Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content

- | | |
|------|---|
| B101 | Aqueous waste with low solvents |
| B102 | Aqueous waste with low other toxic organics |
| B103 | Spent acid with metals |
| B104 | Spent acid without metals |
| B105 | Acidic aqueous waste |
| B106 | Caustic solution with metals but no cyanides |
| B107 | Caustic solution with metals and cyanides |
| B108 | Caustic solution with cyanides but no metals |
| B109 | Spent caustic |
| B110 | Caustic aqueous waste |
| B111 | Aqueous waste with reactive sulfides |
| B112 | Aqueous waste with other reactives (e.g., explosives) |
| B113 | Other aqueous waste with high dissolved solids |
| B114 | Other aqueous waste with low dissolved solids |
| B115 | Scrubber water |
| B116 | Leachate |

Code	Waste description
------	-------------------

- | | |
|------|---|
| B117 | Waste liquid mercury |
| B119 | Other inorganic liquids (Specify in Comments) |

ORGANIC LIQUIDS - Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content

- | | |
|------|---|
| B201 | Concentrated solvent-water solution |
| B202 | Halogenated (e.g., chlorinated) solvent |
| B203 | Nonhalogenated solvent |
| B204 | Halogenated/nonhalogenated solvent mixture |
| B205 | Oil-water emulsion or mixture |
| B206 | Waste oil |
| B207 | Concentrated aqueous solution of other organics |
| B208 | Concentrated phenolics |
| B209 | Organic paint, ink, lacquer, or varnish |
| B210 | Adhesives or epoxies |
| B211 | Paint thinner or petroleum distillates |
| B212 | Reactive or polymerizable organic liquid |
| B219 | Other organic liquids (Specify in Comments) |

SOLIDS

INORGANIC SOLIDS - Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable

- | | |
|------|---|
| B301 | Soil contaminated with organics |
| B302 | Soil contaminated with inorganics only |
| B303 | Ash, slag, or other residue from incineration of wastes |
| B304 | Other "dry" ash, slag, or thermal residue |
| B305 | "Dry" lime or metal hydroxide solids chemically "fixed" |

FORM CODES (Continued)

Code	Waste description	Code	Waste description
B306	"Dry" lime or metal hydroxide solids not "fixed"	B502	Lime sludge with metals/metal hydroxide sludge
B307	Metal scale, filings, or scrap	B503	Wastewater treatment sludge with toxic organics
B308	Empty or crushed metal drums or containers	B504	Other wastewater treatment sludge
B309	Batteries or battery parts, casings, cores	B505	Untreated plating sludge without cyanides
B310	Spent solid filters or adsorbents	B506	Untreated plating sludge with cyanides
B311	Asbestos solids and debris	B507	Other sludge with cyanides
B312	Metal-cyanide salts/chemicals	B508	Sludge with reactive sulfides
B313	Reactive cyanide salts/chemicals	B509	Sludge with other reactives
B314	Reactive sulfide salts/chemicals	B510	Degreasing sludge with metal scale or filings
B315	Other reactive salts/chemicals	B511	Air pollution control device sludge (e.g., fly ash, wet scrubber sludge)
B316	Other metal salts/chemicals	B512	Sediment or lagoon dragout contaminated with organics
B319	Other waste inorganic solids (Specify in Comments)	B513	Sediment or lagoon dragout contaminated with inorganics only
ORGANIC SOLIDS - Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable		B514	Drilling mud
B401	Halogenated pesticide solid	B515	Asbestos slurry or sludge
B402	Nonhalogenated pesticide solid	B516	Chloride or other brine sludge
B403	Solid resins or polymerized organics	B519	Other inorganic sludges (Specify in Comments)
B404	Spent carbon	ORGANIC SLUDGES - Waste that is primarily organic with low-to-moderate inorganic solids content and water content, and pumpable	
B405	Reactive organic solid	B601	Still bottoms of halogenated (e.g., chlorinated) solvents or other organic liquids
B406	Empty fiber or plastic containers	B602	Still bottoms of nonhalogenated solvents or other organic liquids
B407	Other halogenated organic solids (Specify in Comments)	B603	Oily sludge
B409	Other nonhalogenated organic solids (Specify in Comments)	B604	Organic paint or ink sludge
SLUDGES		B605	Reactive or polymerizable organics
INORGANIC SLUDGES - Waste that is primarily inorganic, with moderate-to-high water content and low organic content, and pumpable		B606	Resins, tars, or tarry sludge
B501	Lime sludge without metals	B607	Biological treatment sludge

FORM CODES (Continued)

Code	Waste description
B608	Sewage or other untreated biological sludge
B609	Other organic sludges (Specify in Comments)

GASES

INORGANIC GASES - Waste that is primarily inorganic with a low organic content and is a gas at atmospheric pressure

B701 Inorganic gases

ORGANIC GASES - Waste that is primarily organic with low-to-moderate inorganic content and is a gas at atmospheric pressure

B801 Organic gases

SYSTEM TYPE CODES

Code	System type	Code	System type
Metals recovery (for reuse)		M053	Energy recovery - solids
M011	High temperature metals recovery	M059	Energy recovery - type unknown
M012	Retorting		
M013	Secondary smelting	Fuel blending	
M014	Other metals recovery for reuse: e.g., ion exchange, reverse osmosis, acid leaching, etc. (Specify in Comments)	M061	Fuel blending
M019	Metals recovery - type unknown	Aqueous inorganic treatment	
Solvents recovery		M071	Chrome reduction followed by chemical precipitation
M021	Fractionation/distillation	M072	Cyanide destruction followed by chemical precipitation
M022	Thin film evaporation	M073	Cyanide destruction only
M023	Solvent extraction	M074	Chemical oxidation followed by chemical precipitation
M024	Other solvent recovery (Specify in Comments)	M075	Chemical oxidation only
M029	Solvents recovery - type unknown	M076	Wet air oxidation
Other recovery		M077	Chemical precipitation
M031	Acid regeneration	M078	Other aqueous inorganic treatment: e.g., ion exchange, reverse osmosis, etc. (Specify in Comments)
M032	Other recovery: e.g., waste oil recovery, nonsolvent organics recovery, etc. (Specify in Comments)	M079	Aqueous inorganic treatment - type unknown
M039	Other recovery - type unknown	Aqueous organic treatment	
Incineration		M081	Biological treatment
M041	Incineration - liquids	M082	Carbon adsorption
M042	Incineration - sludges	M083	Air/steam stripping
M043	Incineration - solids	M084	Wet air oxidation
M044	Incineration - gases	M085	Other aqueous organic treatment (Specify in Comments)
M049	Incineration - type unknown	M089	Aqueous organic treatment - type unknown
Energy recovery (reuse as fuel)			
M051	Energy recovery - liquids		
M052	Energy recovery - sludges		

SYSTEM TYPE CODES (Continued)

Code	System type	Code	System type
Aqueous organic and inorganic treatment		Disposal	
M091	Chemical precipitation in combination with biological treatment	M131	Land treatment/application/farming
M092	Chemical precipitation in combination with carbon adsorption	M132	Landfill
M093	Wet air oxidation	M133	Surface impoundment (to be closed as a landfill)
M094	Other organic/inorganic treatment (Specify in Comments)	M134	Deepwell/underground injection
M099	Aqueous organic and inorganic treatment - type unknown	M135	Direct discharge to sewer/POTW (no prior treatment)
Sludge treatment		M136	Direct discharge to surface water under NPDES (no prior treatment)
M101	Sludge dewatering	M137	Other disposal (Specify in Comments)
M102	Addition of excess lime	Transfer facility storage	
M103	Absorption/adsorption	M141	Transfer facility storage, waste was shipped off site with no on-site TDR activity
M104	Solvent extraction		
M109	Sludge treatment - type unknown		
Stabilization			
M111	Stabilization/Chemical fixation using cementitious and/or pozzolanic materials		
M112	Other stabilization (Specify in Comments)		
M119	Stabilization - type unknown		
Other treatment			
M121	Neutralization only		
M122	Evaporation only		
M123	Settling/clarification only		
M124	Phase separation (e.g., emulsion breaking, filtration) only		
M125	Other treatment (Specify in Comments)		
M129	Other treatment - type unknown		

ACTIVITY CODES

Code Waste minimization activity

RECYCLING ACTIVITY

- W01 On-site recycling began during 1989
W02 Off-site recycling began during 1989

SOURCE REDUCTION ACTIVITY

Good Operating Practices

- W11 Began to segregate types of hazardous waste to make them more amenable to recycling
W12 Began to segregate (stopped combining) hazardous waste from non-hazardous waste (Note: for purposes of hazardous waste reporting, reduces volume of hazardous waste, but does not reduce total waste volume)
W13 Improved maintenance scheduling, recordkeeping, or procedures
W14 Changed production schedule to minimize equipment and feedstock changeovers
W19 Other changes in operating practices (Specify in Comments)

Inventory Control

- W21 Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life
W22 Began to test outdated material--continue to use if still effective
W23 Eliminated shelf-life requirements for stable materials
W24 Instituted better labelling procedures

Code Waste minimization activity

- W25 Instituted clearinghouse to exchange materials that would otherwise be discarded
W29 Other (Specify in Comments)

Spill and Leak Prevention

- W31 Improved storage or stacking procedures
W32 Improved procedures for loading, unloading, and transfer operations
W33 Installed overflow alarms or automatic shut-off valves
W34 Installed secondary containment
W35 Installed vapor recovery systems
W36 Implemented inspection or monitoring program of potential spill or leak sources
W39 Other (Specify in Comments)

Raw Material Modifications

- W41 Increased purity of raw materials
W42 Substituted raw materials
W49 Other (Specify in Comments)

Process Modifications

- W51 Instituted closed-loop recycling
W52 Modified equipment, layout, or piping
W53 Changed process catalyst
W54 Instituted better controls on operating conditions (flow rate, temperature, pressure, residence time)
W55 Changed from small volume containers to bulk containers to minimize discarding of empty containers
W58 Other (Specify in Comments)

ACTIVITY CODES (Continued)

Code Waste minimization activity

Cleaning and Degreasing

- W59 Modified stripping/cleaning equipment
- W60 Changed to mechanical stripping/cleaning devices (from solvents or other materials)
- W61 Changed to aqueous cleaners (from solvents or other materials)
- W62 Reduced the number of solvents used, to make waste more amenable to recycling
- W63 Modified containment procedures for cleaning units
- W64 Improved draining procedures
- W65 Redesigned parts racks to reduce dragout
- W66 Modified or installed rinse systems
- W67 Improved rinse equipment design
- W68 Improved rinse equipment operation
- W71 Other (Specify in Comments)

Surface Preparation and Finishing

- W72 Modified spray systems or equipment
- W73 Substituted coating materials used
- W74 Improved application techniques
- W75 Changed from spray to other system
- W78 Other (Specify in Comments)

Product Modifications

- W81 Changed product specifications
- W82 Modified design or composition
- W83 Modified packaging
- W89 Other (Specify in Comments)

Other Source Reduction Activity

- W99 Specify in Comments

Appendix A

EXAMPLES OF COMPLETED 1989 HAZARDOUS WASTE REPORT FORMS

Appendix A

EXAMPLES OF COMPLETED 1989 HAZARDOUS WASTE REPORT FORMS

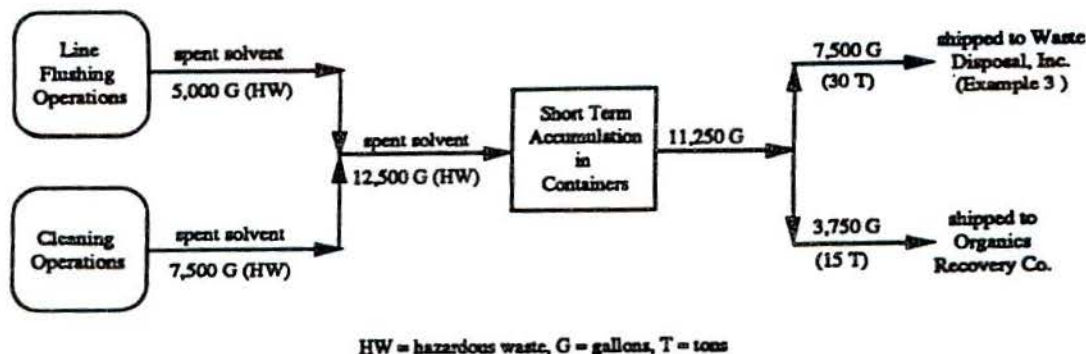
This appendix contains three hypothetical examples of how a site, depending upon its hazardous waste activities, might complete the 1989 Hazardous Waste Report forms. The three examples pertain to: 1) a large quantity generator shipping all its waste off site for treatment, disposal, or recycling, 2) a large quantity generator treating some waste streams on site in RCRA-exempt systems and shipping the rest off site for treatment, disposal, or recycling, and 3) a commercial treatment, disposal or recycling facility. These examples are not intended to cover all possible site situations. The site information is purely fictitious and does not represent any known company. Each example begins with a description of the hazardous waste activities at the site. A schematic diagram of the hazardous waste activities is also provided. The completion of each 1989 Hazardous Waste Report form is explained and a copy of each form as it would be completed by the site follows.

EXAMPLE 1 ABC Painting Co. (LQG without on-site TDR systems)

Site Description

ABC Painting Co. specializes in painting automobiles. The only hazardous waste generated at this site is spent solvent from line flushing and cleaning operations. The company does not treat, dispose, or recycle hazardous waste on site. During 1989, the site generated 12,500 gallons of spent solvent, of which 7,500 gallons were shipped to Waste Disposal, Inc. for incineration, 3,750 gallons to Organics Recovery Co. for solvent recovery, and the remaining 1,250 gallons were in short term accumulation containers awaiting shipment on December 31, 1989. The two disposal facilities have been used by ABC Painting Co. since 1987. The schematic diagram of hazardous waste operations is shown in Figure A-1.

FIGURE A-1. Schematic diagram of hazardous waste activities at ABC Painting Co.



Forms Completed

Form IC. Since the site generated in any single month, 1,000 kg (2,200 lbs) or more of RCRA hazardous waste, it is classified as a Large Quantity Generator (LQG) and required to complete the 1989 Hazardous Waste Report. All sites required to submit this report must complete Form IC.

Sections I through IV asks for site information. Section V, certification, should be completed after all forms required for submission are completed. The site indicates it is a large quantity generator in Section VI, Box A and skips Box B. Since the site accumulates spent solvent for less than 90 days and does not need (nor has) RCRA permitted storage, code "1" is reported in Section VII, Box A. Boxes B and C of Section VII are also reported as code "1" to indicate absence of RCRA permitted and RCRA exempt units. Since no new waste minimization activities were implemented during 1988 or 1989, Section VIII, Boxes A, B, and C are answered "No" and the reasons are indicated in Boxes D and E.

Form GM. Since only one hazardous waste stream (spent solvent) is generated at the site, only one Form GM is completed. It will report on the source, characteristics, and quantities of the hazardous waste generated and shipped.

Since the site was not required to submit an EPA Form R report (SARA Title III, Section 313) in 1988, code "1" is entered in Section I, Box H, and Box I is left blank.

In Section II, the quantities generated in 1988 and 1989 are reported in gallons (code "5" in Box C), so the density of spent solvent is entered in Box D. There was no on-site treatment, so the question in Box E is answered "No" and the System 1 and System 2 boxes are left blank.

Section III, Box A is answered "Yes" indicating that the waste was shipped off site for treatment, disposal, or recycling. The two facilities that received the waste are mentioned in Box B. The off-site systems, incineration and distillation, in which the wastes were managed are reported in Box C. The quantity of waste shipped to each facility is reported in Box D.

Although shipping spent solvent to Organics Recovery Co. for solvent recovery is a waste minimization activity, it should not be reported in Section IV because it was not initiated during 1989. Hence, Section IV, Box A is answered "No" and Boxes B through F are left blank.

Sec. VI	Generator Status	
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>A. 1989 generation (CHECK ONE BOX BELOW) Instruction page 8</p> <p> <input type="checkbox"/> 1 No (CONTINUE TO BOX B) <input checked="" type="checkbox"/> 2 LQG <input type="checkbox"/> 3 SQG <input type="checkbox"/> 4 CESQG </p> </div> <div style="width: 65%;"> <p>B. Reason for not generating (CHECK ALL THAT APPLY) Page 10</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <p> <input type="checkbox"/> 1 Never generated <input type="checkbox"/> 2 Out of business <input type="checkbox"/> 3 Only excluded or delisted waste </p> </div> <div style="width: 30%;"> <p> <input type="checkbox"/> 4 Only non-hazardous waste <input type="checkbox"/> 5 Periodic or occasional generator <input type="checkbox"/> 6 Waste minimization activity <input type="checkbox"/> 7 Other (SPECIFY IN COMMENTS) </p> </div> </div> </div> </div>		

Sec. VII	On-Site Waste Management Status	
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>A. Storage Instruction page 11</p> <p style="text-align: center;">11</p> </div> <div style="width: 30%;"> <p>B. RCRA treatment, recycling, or disposal Page 11</p> <p style="text-align: center;">11</p> </div> <div style="width: 35%;"> <p>C. RCRA-exempt treatment, recycling, or disposal Page 12</p> <p style="text-align: center;">11</p> </div> </div>		

Sec. VIII	Waste Minimization Activity during 1988 or 1989	
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>A. Did this site begin or expand a <u>source reduction</u> activity during 1988 or 1989? Instruction page 12</p> <p> <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No </p> </div> <div style="width: 30%;"> <p>B. Did this site begin or expand a <u>recycling</u> activity during 1988 or 1989? Page 13</p> <p> <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No </p> </div> <div style="width: 35%;"> <p>C. Did this site conduct a <u>source reduction or recycling opportunity assessment</u> during 1988 or 1989? Page 13</p> <p> <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No </p> </div> </div>		
<p>D. What factors have limited this site from initiating new <u>source reduction</u> activities during 1988 or 1989? (CHECK ALL THAT APPLY) Page 13</p> <p> <input type="checkbox"/> 01 No factors have limited new source reduction activities. <input checked="" type="checkbox"/> 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices. <input type="checkbox"/> 03 Lack of technical information on source reduction techniques applicable to the specific production processes. <input type="checkbox"/> 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment. <input type="checkbox"/> 05 Concern that product quality may decline as a result of source reduction. <input type="checkbox"/> 06 Technical limitations of the production processes. <input type="checkbox"/> 07 Permitting burdens. <input type="checkbox"/> 08 Other (SPECIFY IN COMMENTS) </p>		
<p>E. What factors have limited this site from initiating new on-site or off-site <u>recycling</u> activities during 1988 or 1989? (CHECK ALL THAT APPLY) Page 13</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> <input checked="" type="checkbox"/> 01 No factors have limited new recycling activities. <input type="checkbox"/> 02 Insufficient capital to install new recycling equipment or implement new recycling practices. <input type="checkbox"/> 03 Lack of technical information on recycling techniques applicable to this site's specific production processes. <input type="checkbox"/> 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment. <input type="checkbox"/> 05 Concern that product quality may decline as a result of recycling. <input type="checkbox"/> 06 Requirements to manifest wastes inhibit shipments off site for recycling. </p> </div> <div style="width: 50%;"> <p> <input type="checkbox"/> 07 Financial liability provisions inhibit shipments off site for recycling. <input type="checkbox"/> 08 Technical limitations of product processes inhibit shipments off site for recycling. <input type="checkbox"/> 09 Technical limitations of production processes inhibit on-site recycling. <input type="checkbox"/> 10 Permitting burdens inhibit recycling. <input type="checkbox"/> 11 Lack of permitted off-site recycling facilities. <input type="checkbox"/> 12 Unable to identify a market for recyclable materials. <input type="checkbox"/> 13 Other (SPECIFY IN COMMENTS) </p> </div> </div>		

<p>Comments:</p>

OR ENTER:

SITE NAME

ABC Painting Co.

EPA ID NO.

X Y D 9 1 0 8 4 8 7 3 7

U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
GMWASTE GENERATION AND
MANAGEMENT**INSTRUCTIONS:** Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I	A. Waste description Instruction Page 15 Ignitable spent solvent from line flushing and cleaning operations; mixture of xylene and acetone.			
B. EPA hazardous waste code Page 15 E 0 0 3 1 1 N 1 A 1 1 N 1 A 1 1 N 1 A		C. State hazardous waste code Page 16 _____		
D. SIC code Page 16 7 5 3 2	E. Source code Page 16 A 2 1	F. Form code Page 16 B 2 0 3	G. Origin Page 16 Code 1 System type M	
H. TRI constituent Page 17 1	I. CAS numbers Page 17 1. _____ 2. _____ 3. _____ 4. _____ 5. _____			

Sec. II	A. Quantity generated in 1988 Instruction Page 17 _____ 1 0 5 0 0	B. Quantity generated in 1989 Page 17 _____ 1 2 5 0 0	C. UOM Page 18 5	D. Density Page 18 8 0 0 <input checked="" type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg	E. Was this waste treated, disposed or recycled on site? Page 18 <input type="checkbox"/> 1 Yes (CONTINUE TO SYSTEM 1) <input checked="" type="checkbox"/> 2 No (SKIP TO SEC. III)
SYSTEM 1 System type Page 18 M		Quantity treated, disposed or recycled in 1989 Page 18 _____		SYSTEM 2 System type Page 18 M	
		Quantity treated, disposed or recycled in 1989 Page 18 _____			

Sec. III	A. Was this waste shipped off site? Instruction Page 19 <input checked="" type="checkbox"/> 1 Yes (CONTINUE TO BOX B) <input type="checkbox"/> 2 No (SKIP TO SEC. IV)		
Site 1	B. EPA ID No. of facility to which waste was shipped Instruction Page 19 A B D 5 8 6 8 1 0 3 4 9	C. System type Page 19 M 0 4 1	D. Total quantity shipped in 1989 Page 19 _____ 7 5 0 0
Site 2	P 0 0 D 1 2 4 6 7 1 0 0 2	M 0 2 1	_____ 3 7 5 0

Sec. IV	A. Waste minimization results in 1989 Instruction Page 20 <input type="checkbox"/> 1 Yes (CONTINUE TO BOX B) <input checked="" type="checkbox"/> 2 No (THIS FORM IS COMPLETE)				
B. Activity Page 21 W W W W	C. Other effects Page 21 <input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No	D. Quantity recycled in 1989 due to new activities Page 21 _____	E. Activity/Production Index Page 21 _____	F. Source Reduction Quantity Page 22 _____	

Comments:

Page 3 of 3

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EXAMPLE 2
Platers, Inc.
(LQG with on-site TDR systems)

Site Description

Platers, Inc. performs cadmium plating of fasteners at a plant in New Jersey. The SIC code of the plant is 3471. The plant plated approximately 150 million fasteners during 1989. The plant typically operates one shift a day and does not work on weekends. After the steel fasteners have entered the plant, they are lowered into a degreaser to remove packing oil and grease. Tetrachloroethylene is used as a solvent in the degreaser. The fasteners are then electroplated using a cadmium cyanide plating bath.

Waste Minimization Activities

In 1988, the company added a distillation unit at the site to recover the spent solvent from the degreasing operations (RCRA hazardous F001 waste). The site accumulates its spent solvent in 55 gallons drums until there is a large enough quantity to operate the still. The site generated 3,600 gallons of spent solvent in 1988 and 2,880 gallons in 1989. The site also generated 250 gallons (1 ton) of still bottoms from the distillation process that was sent off site to Waste Disposal, Inc. for incineration.

The distillation unit is operated as a batch process. The facility typically distills 220 gallons of spent solvent at a time. In 1989, they operated the still 16 times. The still is capable of treating 300 gallons at a time. The typical process time for the still is three hours. It takes an additional hour to remove the still bottoms and reload the still with spent solvent. The still is serviced one day a month.

The facility also researched the possibility of replacing their cadmium cyanide plating bath with a non-cyanide plating bath. Unfortunately, the products plated in the non-cyanide bath did not meet the quality specifications.

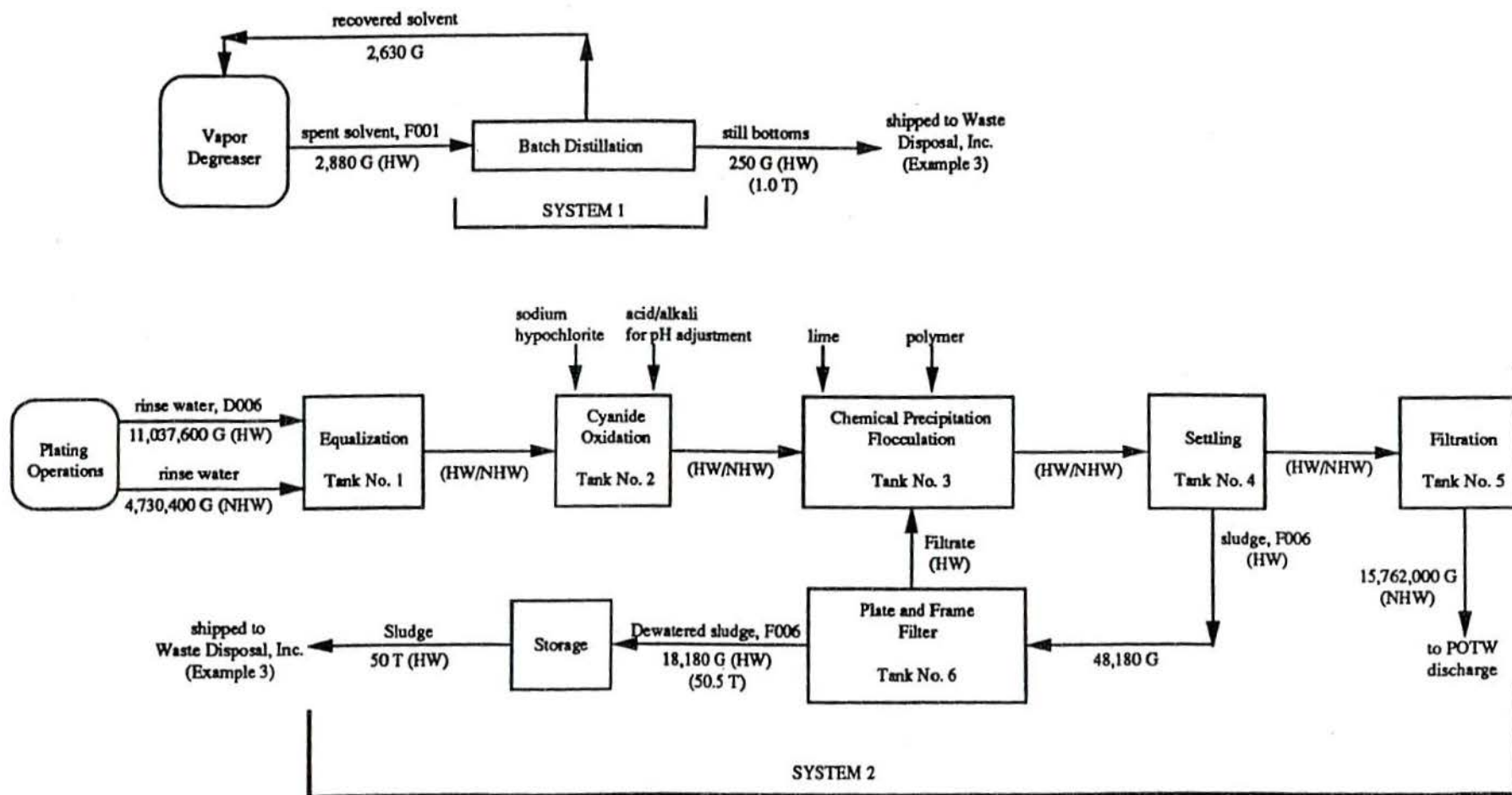
Other Waste Management Activities

While following standard operating procedures, rinse waters from cadmium plating operations can contain concentrations of cadmium exceeding 1 ppm, and should therefore be classified as RCRA hazardous waste, D006. Based on normal operating procedures, the facility estimated that the rinse waters meet D006 criteria approximately 75 percent of operating time. By definition, the sludge that their wastewater treatment system generates is a RCRA hazardous waste, F006. The facility generated 18,180 gallons or 50.5 tons of F006 waste in 1989. Only 50 tons of the F006 waste generated was sent off site to Waste Disposal, Inc. for stabilization and eventual landfilling by the end of 1989. The remainder was accumulated on site. The hazardous waste activities at this site are shown in Figure A-2.

The rinse waters are fed into an equalization tank prior to cyanide oxidation using sodium hypochlorite. Cyanide oxidation is followed by chemical precipitation with lime and polymer additions. The wastewater then enters a settling tank. The overflow of this tank is passed through

FIGURE A-2. Schematic diagram of hazardous waste activities at Platers, Inc.

A-8



HW = hazardous waste, NHW = non-hazardous waste, G = gallons, T = tons

a polishing sand filter and discharged to a publicly owned treatment works (POTW). The underflow from this tank is discharged once a week to a plate and frame filter press. The filtrate is fed back to the precipitation tank. The filter cake is accumulated on site. For 1989, 15,762,000 gallons were discharged to the POTW.

The treatment system can handle up to a maximum of 21,024,000 gallons in any given year. The system's capacity is limited by the performance of the settling tank. The filter press can handle 73,000 gallons of sludge in a year which is equivalent to 23,890,909 gallons of influent per year.

Forms Completed

Form IC. Since the site generated more than 2,200 pounds of RCRA hazardous waste in any single month, it is classified as a large quantity generator (LQG) and is required to complete the 1989 Hazardous Waste Report and thus complete Form IC. The site checks "2" in Section VI, Box A indicating that it is an LQG and skips to Section VII. In Section VII, Box A, storage, the site reports code "3" to indicate RCRA permitted storage in containers. The site indicates that they have no treatment or recycling units on site requiring a RCRA permit by using code "1" in Box B of Section VII and reports code "3" in Section VII, Box C to indicate that units exempt from RCRA permitting were used. The site checks "No" in Section VIII, Box A because they never actively started a source reduction program even though they investigated the possibility of replacing their bath with a less toxic feedstock. The site checks "Yes" in Section VIII, Box B because they began recycling their spent solvent in 1988. The site checks "04" in Section VIII, Box D to indicate that source reduction is not economically feasible at the site. In Box E, the site checks "01" to indicate that no factors limited the site from implementing new recycling activities in 1988 or 1989.

Form GM. A complete, separate, and independent Form GM must be submitted for each hazardous waste: (a) generated on site from production processes or service activities; (b) shipped off site that was received from off site without recycling, blending, or treating on site; or (c) residual generated from the on-site treatment, disposal, or recycling of hazardous wastes.

In this example, conditions (a) and (c) apply. Four hazardous waste streams generated at the site should be reported. Two of the waste streams, the spent solvent and the characteristically hazardous rinse water treated in the wastewater treatment system were generated from production processes or service activities. The third waste stream, wastewater treatment sludge, was generated from the on-site treatment of hazardous waste. The fourth waste stream, still bottoms, was generated from on-site recycling of hazardous waste (i.e., the spent solvent). Hence, four separate GM forms were completed for this facility.

One Form GM is for the spent solvent generated by degreasing operations that is accumulated and recycled on site. The EPA hazardous waste code is F001. The source code is "A07" (vapor degreasing), and the origin code is "1" indicating that it is a waste from a production process. The waste was recycled on site; therefore, "Yes" is marked in Section II, Box E, and the M021 system type and quantity recycled in 1989 are reported under System 1 using the same unit of measure indicated in Section II, Box C. Since no new waste minimization activities were started in 1989, "No" is marked in Section IV, Box A and the remainder of the section is skipped. Waste minimization activities initiated during 1988 should not be reported on Form GM.

The second Form GM is for the still bottoms generated from the on-site recycling of the F001 waste stream reported on the first Form GM. The EPA waste code for this waste is also F001, but

it is assigned a different source code, form code, and origin code than the codes reported on the first Form GM. The source code is "A73" (solvent recovery), the form code is "B601" (still bottoms of halogenated solvents), and the origin code is "3" indicating that it is a residual from on-site recycling of a hazardous waste. Because the still bottoms are only generated and shipped off site, "No" is marked in Section II, Box E and no information is placed under System 1 and System 2. The M042 system type is used in Section III, Box C to indicate that the waste is sent off site for incineration.

The third Form GM is for the rinse waters that are characteristically hazardous for cadmium, 75 percent of the time. The EPA waste code is D006. To estimate the amount of D006 generated in 1989, the facility multiplied the quantity of wastewater it used in 1989 by 0.75. The density of the rinse water is entered because the quantities reported on this particular Form GM are in gallons. A system type of "M077" (chemical precipitation) is reported under System Type 1 of Section II to indicate the treatment of the D006 waste in the exempt wastewater treatment system.

The fourth Form GM is for the wastewater treatment sludge (F006). Since more waste was generated in 1989 than was sent off site for treatment and eventual disposal, the quantities reported in Section II, Box B (generated) and in Section III, Box D (shipped off site) are different. The M111 system type is reported to indicate the off-site stabilization of the sludge prior to being landfilled. The final disposition of the waste, landfill, is not to be reported on this form.

Form PS. Since the site treated, disposed or recycled RCRA-hazardous waste on site during 1989, a separate and independent Form PS must be completed for each treatment, disposal, or recycling process, RCRA-permitted or RCRA-exempt, which is operational, planned or in the closure process.

This site has two on-site hazardous waste process systems operational during 1989, no plans for any additional systems or increase in capacity, and no systems undergoing the closure process.

The first Form PS reports on the distillation unit. The facility based their maximum operational capacity estimates on the number of shifts per day and days per year they operate, the necessary down time of the still for routine maintenance, and the typical process time. The maximum operational capacity is reported using the same unit of measure as the influent quantity.

The second Form PS reports on the wastewater treatment system. The reagents used during treatment are not included as part of this influent quantity in Section II, Box A.

Note that all RCRA liquid effluent quantities (Section II, Box C) and RCRA solid/sludge residual quantities (Section II, Box D) on Form PS are reported on separate GM forms as hazardous waste generation. The waste origin code for such wastes is "3," distinguish residual hazardous waste from virgin hazardous waste. All RCRA hazardous wastes exiting an on-site treatment, disposal or recycling system should be reported on Form GM.

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME

Platers, Inc.

EPA ID NO.

Y Z D 5 6 7 8 9 0 1 2 3



U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM

IC

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 7 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, B, D, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 7.

A. EPA ID No.

Same as label ☒ or

B. Site/company name

Same as label ☒ or

C. Has the site name associated with this EPA ID changed since 1987?

☐ 1 Yes
☒ 2 No

D. Street name and number. If not applicable, enter industrial park, building name or other physical location description.

Same as label ☐ or

999 Industrial Highway

E. City, town, village, etc.

Same as label ☐ or

Venus

F. County

Mercury

G. State

Same as label ☐ or

Y Z

H. Zip Code

Same as label ☐ or

9191210-110156

SEC. II Mailing address of site. Instruction page 7.

A. Is the mailing address the same as the location address?

☒ 1 Yes (SKIP TO SEC. III)
☐ 2 No (COMPLETE SEC. II)

B. Number and street name of mailing address

C. City, town, village, etc.

D. State

E. Zip Code

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 7.

A. Please print: Last name

First name

M.I.

B. Title

C. Telephone

Doe

Mary

V.P.

919 91210-110156
Extension 202

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 8.

A.

3471

B.

1111A

C.

1111A

D.

1111A

SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. Number of form pages submitted

Form IC 12

Form GM

14

Form WR

0

Form PS

2

B. Please print: Last name

First name

M.I.

C. Title

Doe

Mary

Vice-President

D. Signature

Mary Doe

E. Date of signature

03 01 90
MO. DAY YR.

Page 1 of 8

EPA Form

Revised

OVER -->

Sec. VI	Generator Status	
<div style="display: flex; justify-content: space-between;"> <div style="width: 35%;"> <p>A. 1989 generation (CHECK ONE BOX BELOW) Instruction page 8</p> <p> <input type="checkbox"/> 1 No (CONTINUE TO BOX B) <input checked="" type="checkbox"/> 2 LQG <input type="checkbox"/> 3 SQG <input type="checkbox"/> 4 CESQG </p> </div> <div style="width: 60%;"> <p>B. Reason for not generating (CHECK ALL THAT APPLY) Page 10</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 33%;"> <input type="checkbox"/> 1 Never generated <input type="checkbox"/> 2 Out of business <input type="checkbox"/> 3 Only excluded or delisted waste </div> <div style="width: 33%;"> <input type="checkbox"/> 4 Only non-hazardous waste <input type="checkbox"/> 5 Periodic or occasional generator <input type="checkbox"/> 6 Waste minimization activity <input type="checkbox"/> 7 Other (SPECIFY IN COMMENTS) </div> </div> </div> </div>		

Sec. VII	On-Site Waste Management Status	
<div style="display: flex; justify-content: space-between;"> <div style="width: 33%;"> <p>A. Storage Instruction page 11</p> <p style="text-align: center;">3</p> </div> <div style="width: 33%;"> <p>B. RCRA treatment, recycling, or disposal Page 11</p> <p style="text-align: center;">1</p> </div> <div style="width: 33%;"> <p>C. RCRA-exempt treatment, recycling, or disposal Page 12</p> <p style="text-align: center;">3</p> </div> </div>		

Sec. VIII	Waste Minimization Activity during 1988 or 1989	
<div style="display: flex; justify-content: space-between;"> <div style="width: 33%;"> <p>A. Did this site begin or expand a <u>source reduction</u> activity during 1988 or 1989? Instruction page 12</p> <p> <input type="checkbox"/> 1 Yes <input checked="" type="checkbox"/> 2 No </p> </div> <div style="width: 33%;"> <p>B. Did this site begin or expand a <u>recycling</u> activity during 1988 or 1989? Page 13</p> <p> <input checked="" type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No </p> </div> <div style="width: 33%;"> <p>C. Did this site conduct a <u>source reduction or recycling opportunity assessment</u> during 1988 or 1989? Page 13</p> <p> <input checked="" type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No </p> </div> </div>		
<p>D. What factors have limited this site from initiating new <u>source reduction</u> activities during 1988 or 1989? (CHECK ALL THAT APPLY) Page 13</p> <p> <input type="checkbox"/> 01 No factors have limited new source reduction activities. <input type="checkbox"/> 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices. <input type="checkbox"/> 03 Lack of technical information on source reduction techniques applicable to the specific production processes. <input checked="" type="checkbox"/> 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment. <input type="checkbox"/> 05 Concern that product quality may decline as a result of source reduction. <input type="checkbox"/> 06 Technical limitations of the production processes. <input type="checkbox"/> 07 Permitting burdens. <input type="checkbox"/> 08 Other (SPECIFY IN COMMENTS) </p>		
<p>E. What factors have limited this site from initiating new on-site or off-site <u>recycling</u> activities during 1988 or 1989? (CHECK ALL THAT APPLY) Page 13</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input checked="" type="checkbox"/> 01 No factors have limited new recycling activities. <input type="checkbox"/> 02 Insufficient capital to install new recycling equipment or implement new recycling practices. <input type="checkbox"/> 03 Lack of technical information on recycling techniques applicable to this site's specific production processes. <input type="checkbox"/> 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment. <input type="checkbox"/> 05 Concern that product quality may decline as a result of recycling. <input type="checkbox"/> 06 Requirements to manifest wastes inhibit shipments off site for recycling. </div> <div style="width: 48%;"> <input type="checkbox"/> 07 Financial liability provisions inhibit shipments off site for recycling. <input type="checkbox"/> 08 Technical limitations of product processes inhibit shipments off site for recycling. <input type="checkbox"/> 09 Technical limitations of production processes inhibit on-site recycling. <input type="checkbox"/> 10 Permitting burdens inhibit recycling. <input type="checkbox"/> 11 Lack of permitted off-site recycling facilities. <input type="checkbox"/> 12 Unable to identify a market for recyclable materials. <input type="checkbox"/> 13 Other (SPECIFY IN COMMENTS) </div> </div>		

Comments:

OR ENTER:

SITE NAME

Platers, Inc.

U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

EPA ID NO.

Y Z D 5 6 7 8 9 0 1 2 3

FORM
GMWASTE GENERATION AND
MANAGEMENT**INSTRUCTIONS:** Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec. I A. Waste description Instruction Page 15 <p style="text-align: center;">Spent halogenated solvent generated from degreasing operations.</p>			
B. EPA hazardous waste code Page 15 F 0 0 1 1 N A N A N A		C. State hazardous waste code Page 16 _____	
D. SIC code Page 16 3 4 7 1 1	E. Source code Page 16 A 1 0 7	F. Form code Page 16 B 1 2 1 0 1 2	G. Origin Page 16 Code 1 System type (M)
H. TRI constituent Page 17 1	I. CAS numbers Page 17 1. _____ 2. _____ 3. _____ 4. _____ 5. _____		

Sec. II A. Quantity generated in 1988 Instruction Page 17 3 6 0 0	B. Quantity generated in 1989 Page 17 2 8 8 0	C. UOM Page 18 5	D. Density Page 18 8 0 0 <input checked="" type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg	E. Was this waste treated, disposed or recycled on site? Page 16 <input checked="" type="checkbox"/> 1 Yes (CONTINUE TO SYSTEM 1) <input type="checkbox"/> 2 No (SKIP TO SEC. III)
SYSTEM 1 System type Page 18 M 1 0 2 1 1 Quantity treated, disposed or recycled in 1989 Page 18 2 8 8 0		SYSTEM 2 System type Page 18 M N A Quantity treated, disposed or recycled in 1989 Page 18 _____		

Sec. III A. Was this waste shipped off site? Instruction Page 19 <input type="checkbox"/> 1 Yes (CONTINUE TO BOX B) <input checked="" type="checkbox"/> 2 No (SKIP TO SEC. IV)	B. EPA ID No. of facility to which waste was shipped Instruction Page 19 _____			C. System type Page 19 M	D. Total quantity shipped in 1989 Page 19 _____
Site 1 _____	Site 2 _____			_____	

Sec. IV A. Waste minimization results in 1989 Instruction Page 20 <input type="checkbox"/> 1 Yes (CONTINUE TO BOX B) <input checked="" type="checkbox"/> 2 No (THIS FORM IS COMPLETE)					
B. Activity Page 21 W W W W	C. Other effects Page 21 <input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No	D. Quantity recycled in 1989 due to new activities Page 21 _____	E. Activity/Production Index Page 21 _____	F. Source Reduction Quantity Page 22 _____	

Comments:

Page 3 of 8

A - 14

OR ENTER:

SITE NAME

Platers, Inc.

EPA ID NO.

Y Z D 5 6 7 8 9 0 1 2 3

U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
GMWASTE GENERATION AND
MANAGEMENT**INSTRUCTIONS:** Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.Sec.
IA. Waste description
Instruction Page 15Rinse waters from electroplating operations, characteristically
hazardous for cadmiumB. EPA hazardous waste code
Page 15

D 0 0 6 N A N A N A

C. State hazardous waste code
Page 16D. SIC code
Page 16

3 4 7 1

E. Source code
Page 16

A 2 2

F. Form code
Page 16

B 1 0 7

G. Origin
Page 16

Code

System type M

H. TRS constituent
Page 17

1

I. CAS numbers
Page 17

1. - - - - - 2. - - - - -

3. - - - - - 4. - - - - - 5. - - - - -

Sec.
IIA. Quantity generated in 1988
Instruction Page 17

1 4 0 6 8 0 0 0

B. Quantity generated in 1989
Page 17

1 1 0 3 7 6 0 0

C. UOM
Page 18

5

D. Density
Page 18

1 0 0

1 lbs/gal 2 sg

E. Was this waste treated, disposed or recycled on site?
Page 18

1 Yes (CONTINUE TO SYSTEM 1)

2 No (SKIP TO SEC. III)

SYSTEM 1

System type
Page 18

M 0 7 7

Quantity treated, disposed or recycled in 1989
Page 18

1 1 0 3 7 6 0 0

SYSTEM 2

System type
Page 18

M N A

Quantity treated, disposed or recycled in 1989
Page 18Sec.
IIIA. Was this waste shipped off site?
Instruction Page 191 Yes (CONTINUE TO BOX B)
2 No (SKIP TO SEC. IV)Site
1B. EPA ID No. of facility to which waste was shipped
Instruction Page 19C. System type
Page 19

M

D. Total quantity shipped in 1989
Page 19Site
2

M

Sec.
IVA. Waste minimization results in 1989
Instruction Page 201 Yes (CONTINUE TO BOX B)
2 No (THIS FORM IS COMPLETE)B. Activity
Page 21

W

W

C. Other effects
Page 21

1 Yes

2 No

D. Quantity recycled in 1989 due to new activities
Page 21E. Activity/Production index
Page 21F. Source Reduction Quantity
Page 22

Comments:

Page 5 of 8

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME Platers, Inc.

EPA ID NO. Y Z D 5 6 7 8 9 0 1 2 3



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
GM

WASTE GENERATION AND
MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

| | | | | |
|---|--|---|--|--|
| Sec. I | A. Waste description
Instruction Page 15 <u>Wastewater treatment sludge.</u> | | | |
| B. EPA hazardous waste code
Page 15
<u>F101016</u> <u>1111</u> <u>N1A</u> <u>1111</u> <u>N1A</u> <u>1111</u> <u>N1A</u> | | C. State hazardous waste code
Page 16
<u>1111</u> <u>1111</u> <u>1111</u> <u>1111</u> | | |
| D. SIC code
Page 16
<u>314711</u> | E. Source code
Page 16
<u>A175</u> | F. Form code
Page 16
<u>B1502</u> | G. Origin
Page 16 Code <u>13</u>
System type <u>M10717</u> | |
| H. TFI constituent
Page 17
<u>11</u> | I. CAS numbers
Page 17
1. <u>11111111</u> - <u>1111</u> - <u>1111</u> 2. <u>11111111</u> - <u>1111</u> - <u>1111</u>
3. <u>11111111</u> - <u>1111</u> - <u>1111</u> 4. <u>11111111</u> - <u>1111</u> - <u>1111</u> 5. <u>11111111</u> - <u>1111</u> - <u>1111</u> | | | |

| | | | | | | | |
|--|---|--|-------------------------------|---|---|--|--|
| Sec. II | A. Quantity generated in 1988
Instruction Page 17
<u>11111111</u> <u>59</u> | B. Quantity generated in 1989
Page 17
<u>11111111</u> <u>51</u> | C. UOM
Page 18
<u>2</u> | D. Density
Page 18
<u>1</u> lbs/gal <u>2</u> sg | E. Was this waste treated, disposed or recycled on site?
Page 18
<input type="checkbox"/> 1 Yes (CONTINUE TO SYSTEM 1)
<input checked="" type="checkbox"/> 2 No (SKIP TO SEC. III) | | |
| SYSTEM 1
System type
Page 18
<u>M1111</u> | | Quantity treated, disposed or recycled in 1989
Page 18
<u>11111111</u> | | | | SYSTEM 2
System type
Page 18
<u>M1111</u> | Quantity treated, disposed or recycled in 1989
Page 18
<u>11111111</u> |

| | | | |
|----------|--|--|--|
| Sec. III | A. Was this waste shipped off site?
Instruction Page 19
<input checked="" type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input type="checkbox"/> 2 No (SKIP TO SEC. IV) | | |
| Site 1 | B. EPA ID No. of facility to which waste was shipped
Instruction Page 19
<u>A1B1D151816181110131419</u> | C. System type
Page 19
<u>M11111</u> | D. Total quantity shipped in 1989
Page 19
<u>11111111</u> <u>510</u> |
| Site 2 | <u>11111111</u> <u>N1A</u> | <u>M1111</u> | <u>11111111</u> |

| | | | | | |
|--|--|--|--|--|--|
| Sec. IV | A. Waste minimization results in 1989
Instruction Page 20
<input type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input checked="" type="checkbox"/> 2 No (THIS FORM IS COMPLETE) | | | | |
| B. Activity
Page 21
<u>W1111</u> <u>W1111</u>
<u>W1111</u> <u>W1111</u> | C. Other effects
Page 21
<input type="checkbox"/> 1 Yes
<input type="checkbox"/> 2 No | D. Quantity recycled in 1989 due to new activities
Page 21
<u>11111111</u> | E. Activity/Production index
Page 21
<u>1111</u> <u>1111</u> | F. Source Reduction Quantity
Page 22
<u>11111111</u> | |

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

Platers, Inc.

EPA ID NO.

Y171D151617181910111213



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
PS

WASTE TREATMENT, DISPOSAL,
OR RECYCLING PROCESS
SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec.
I

A. Waste treatment, disposal or recycling system description
Instruction Page 36

Distillation unit to recycle spent solvent generated
from degreasing operations.

B. System type
Page 36

M101211

C. Regulatory status
Page 36

11

D. Operational status
Page 37

011

E. Unit types
Page 37

011

Sec.
II

A. 1989 Influent quantity
Instruction Page 38

UOM

Density

Total 2880

5

8.00

RCRA 2181810

☒ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity
Page 39

Total 148800

RCRA 148800

C. 1989 liquid effluent quantity
Page 40

UOM

Density

Total 26310

5

8.00

RCRA 0

☒ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity
Page 41

UOM

Density

Total 2510

5

8.00

RCRA 21510

☒ 1 lbs/gal ☐ 2 sg

E. Limitations on capacity
Page 41

1. 05 2. 3.

F. Commercial availability code
Page 42

1

G. Percent capacity commercially available
Page 43

0 %

Sec.
III

A. Planned change in maximum operational capacity
Instruction Page 43

☐ 1 Yes (CONTINUE TO BOX B)

☒ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity
Page 43

UOM

Total

RCRA

C. Planned year of change
Page 44

19

D. Future commercial availability code
Page 44

E. Percent future capacity commercially available
Page 44

%

Comments:

Section I, Box C: Not regulated under RCRA, recycling unit.

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME Platers, Inc.

EPA ID NO. Y Z D 5 6 7 8 9 0 1 2 3



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
PS

WASTE TREATMENT, DISPOSAL,
OR RECYCLING PROCESS
SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec.
I

A. Waste treatment, disposal or recycling system description

Instruction Page 36

Wastewater treatment plant for treating rinse waters
from cadmium plating operations.

B. System type
Page 36

M 0 7 7

C. Regulatory status
Page 36

0 3

D. Operational status
Page 37

0 1

E. Unit types
Page 37

0 1

Sec.
II

A. 1989 influent quantity
Instruction Page 36

UOM

Density

Total 1 5 7 6 8 0 0 0

5

1 . 0 0

RCRA 1 1 0 3 7 6 0 0

☐ 1 lbs/gal ☒ 2 sq

B. Maximum operational capacity
Page 36

Total 2 1 0 2 4 0 0 0

RCRA 2 1 0 2 4 0 0 0

C. 1989 liquid effluent quantity
Page 40

UOM

Density

Total 1 5 7 6 2 0 0 0

5

1 . 0 0

RCRA

☐ 1 lbs/gal ☒ 2 sq

D. 1989 solid/sludge residual quantity
Page 41

UOM

Density

Total

RCRA

☐ 1 lbs/gal ☐ 2 sq

E. Limitations on capacity
Page 41

1. 0 9 2. 3.

F. Commercial availability code
Page 42

1

G. Percent capacity commercially available
Page 43

 %

Sec.
III

A. Planned change in maximum operational capacity
Instruction Page 43

☐ 1 Yes (CONTINUE TO BOX B)

☒ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity
Page 43

UOM

Total

RCRA

C. Planned year of change
Page 44

1 9

D. Future commercial availability code
Page 44

E. Percent future capacity commercially available
Page 44

 %

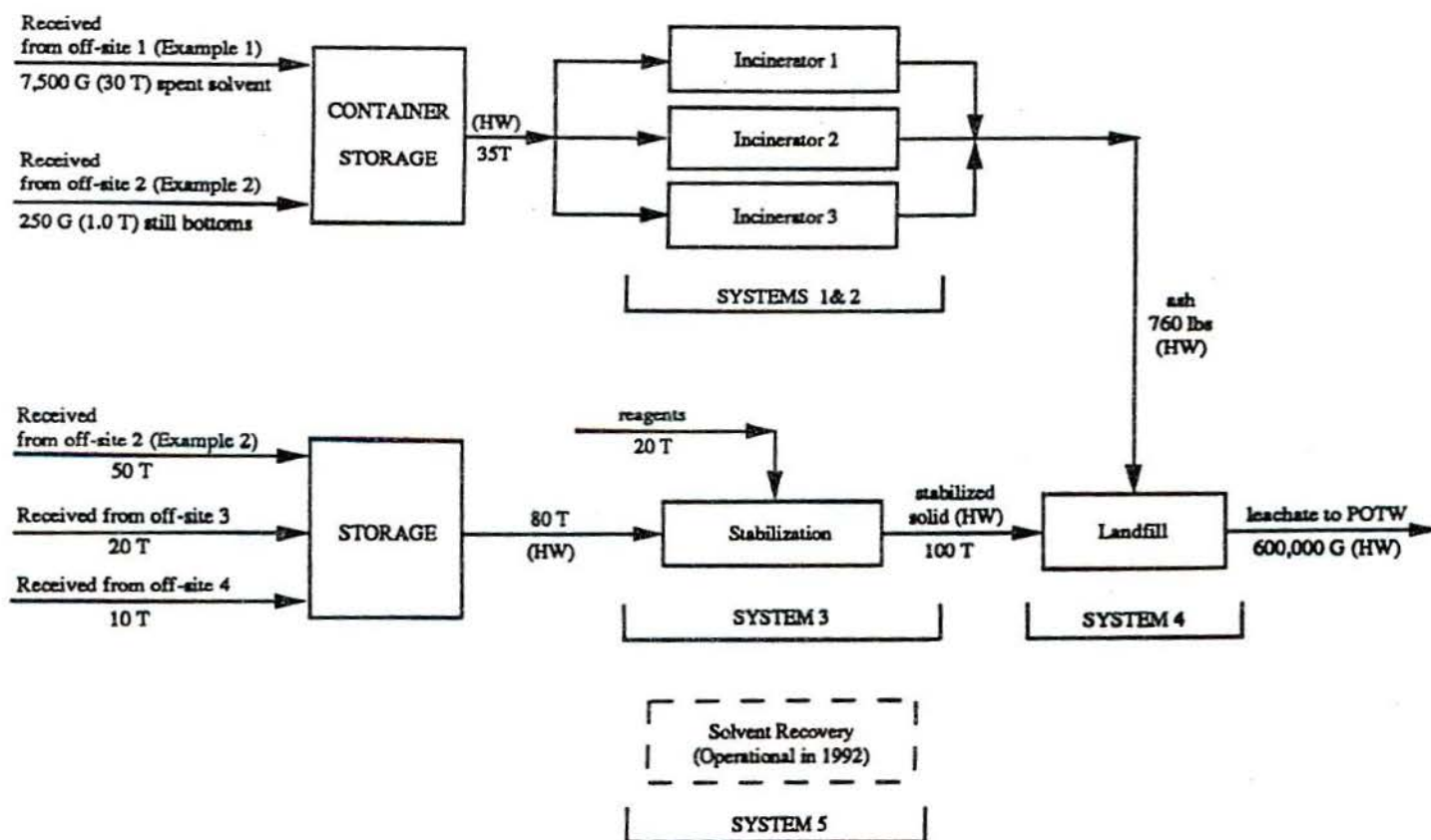
Comments:

EXAMPLE 3
Waste Disposal, Inc.
(Commercial TDR facility)

Facility Description

Waste Disposal, Inc., is a commercial treatment and disposal facility of hazardous wastes. The company receives combustible hazardous waste for incineration in their three incinerators, all of which are designed for incinerating both liquids and sludges. Also, the company receives hazardous waste which is stabilized in a cement-based system and the resulting stabilized waste is disposed of in an on-site landfill. The schematic diagram of the hazardous waste operations is shown in Figure A-3.

FIGURE A-3. Schematic diagram of hazardous waste activities at Waste Disposal, Inc.



HW = hazardous waste, NHW = non-hazardous waste, G = gallons, T = tons

During 1989, Waste Disposal, Inc. received 30 tons of spent solvent (EPA waste code F001) from ABC Painting Co. and 1 ton of still bottoms from Platers, Inc. for incineration. However, 35 tons were actually incinerated during 1989, 4 tons of spent solvent coming from hazardous waste stored at the end of 1988. The incineration process produced 760 pounds of ash which was disposed of in the on-site landfill. It is planned to increase the maximum operational capacity of the incinerators from 120 tons/year to 240 tons/year starting in February, 1991.

Also during 1989, the company received waste from three generators which were stabilized and then disposed of in the on-site landfill. The cumulative amount of hazardous waste entering the stabilization system during 1989 was 80 tons and the amount exiting the system was 100 tons. About 600,000 gallons of leachate was recovered from the landfill which was discharged directly to the POTW. At the end of 1989, it was projected that an additional 1,200 tons of hazardous waste could be disposed of in the landfill before it reached its capacity.

Waste Minimization Activities

During 1988, the company received 50 tons of hazardous waste for stabilization resulting in 90 tons of stabilized waste being disposed of in the landfill. In February, 1989, the company changed the stabilization reagents aimed at reducing the amount of waste exiting the stabilization process per unit of hazardous waste stabilized.

The company is also planning to start construction on a solvent recovery unit shortly. It is scheduled to be operational by December, 1992.

Forms Completed

Form IC. Since the company has RCRA-permitted treatment and disposal units on site, it is required to complete the 1989 Hazardous Waste Report and thus complete Form IC. The waste minimization activity initiated during 1989 is indicated in Section VIII of this form.

Form GM. At this facility, three different hazardous wastes are generated as a residual from the on-site treatment and disposal systems. Hence, three different GM forms should be completed for this facility.

One Form GM is for the incinerator ash. The EPA hazardous waste code for ash is the same as the code (F001) for the waste entering the incinerator. The waste origin code is "3" indicating that it is a residual from an on-site treatment, disposal, or recycling of hazardous waste.

The second Form GM is for the stabilized solid. Since a new waste minimization project was implemented during 1989 for this waste, Section IV of the form is completed. The activity/production index in this example is 1.6 $\{[(\text{quantity of hazardous waste processed in the stabilization system during 1989})/(\text{quantity of hazardous waste processed in the stabilization system during 1988})] \text{ or } (80/50)\}$. The source reduction quantity is calculated to be 44 tons $(90 * 1.6 - 100)$.

The third Form GM is for the leachate. The density of leachate is entered because the quantities reported on this particular GM form are in gallons. Since the leachate is discharged to the local POTW and not shipped off site, "M135" is entered as the system type for the on site disposal of leachate.

Form WR. All wastes received from off site during 1989 should be reported on this form. Hazardous wastes received from the four generators are reported on two WR forms; three wastes on one form and the other two wastes on another form. Since the two waste streams from off-site generator 2 are disposed of in different systems, they are reported separately.

Form PS. Since the site treated, disposed, or recycled RCRA-hazardous waste on site during 1989, a separate and independent Form PS must be completed for each treatment, disposal or recycling process, RCRA-permitted or RCRA-exempt, operational, planned or in the closure process. This site has four on-site hazardous waste process systems operational during 1989, incineration - liquids, incineration - sludges, stabilization and landfill, and one process system, solvent recovery, scheduled for operation in December, 1992. Hence, five PS forms should be completed.

The first two Forms PS report on the two incineration systems (liquids and sludges). The three incinerators are reported on the same Form PS as they had the same operational status code and regulatory status code during 1989. The planned system expansion is indicated in Section IV of each of the forms.

Notice on page 83 that only for incineration and energy recovery (reuse as fuel) systems, separate codes have been assigned depending on the physical form of the waste incinerated. In this example, because the wastes being incinerated have two physical forms, there are two incineration systems present even though the wastes were incinerated in the same incinerators. The physical form of the waste is defined in the waste form code (Box H on Form WR, and Sec. I, Box F on Form GM). In 1989, a total of 35 tons were incinerated. Thirty four (34) tons were liquid solvent waste, assigned physical form code B203, "Organic liquid: nonhalogenated solvent". This waste was incinerated in system M041, "Incineration - liquids". One (1) ton was still bottoms, assigned physical form code B601, "Organic sludge: still bottoms of halogenated solvents". This waste should not be accounted for in system M041 because it is a sludge. Therefore, it is an influent to the second incineration system M042, "Incineration - sludges".

The maximum operational capacity for the three incinerators is 120 tons per year. This capacity must be divided between the two incineration systems (liquids and sludges). Using the typical mix of waste incinerated during 1989 (34 tons of liquid and one ton of sludge), the maximum operational capacity for each system can be calculated as follows:

| System | Influent | % of influent | Maximum operational capacity |
|---------|----------|----------------|------------------------------|
| Liquids | 34 | 97 (100*34/35) | 116 (0.97*120) |
| Sludges | 1 | 3 (100*1/35) | 4 (0.03*120) |
| Total | 35 | 100 | 120 |

The third Form PS reports on the stabilization system. The reagents added during the stabilization process are not included as part of the influent quantity in Section II, Box A.

The fourth Form PS reports on the landfill system. The maximum operational capacity (Section II, Box B) for a landfill is defined as the quantity of hazardous and nonhazardous waste that could enter the system over its remaining life. This is reported as 1,200 tons.

The fifth Form PS reports on the planned solvent recovery system. Section II is omitted since the system is in the planning or the construction phase. The capacity information on the new system is reported in Section IV of this form.

Note that all RCRA liquid effluent quantities (Section II, Box C) and RCRA solid/sludge residual quantities (Section II, Box D) on Form PS are reported on separate GM forms as hazardous waste generation. The waste origin code for such wastes is "3", to distinguish residual hazardous waste from the original hazardous waste. All RCRA hazardous wastes exiting an on-site treatment, disposal, or recycling system should be reported on Form GM.

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME

Waste Disposal, Inc.

EPA ID NO.

A B D 5 8 6 8 1 0 3 4 9



U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM

IC

IDENTIFICATION AND CERTIFICATION

INSTRUCTIONS: Read the detailed instructions beginning on page 7 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, B, D, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 7.

| | | | |
|---|-----------------------|---|--|
| A. EPA ID No.
Same as label <input checked="" type="checkbox"/> or <input type="checkbox"/> | | B. Site/company name
Same as label <input checked="" type="checkbox"/> or <input type="checkbox"/> | |
| C. Has the site name associated with this EPA ID changed since 1987?
<input type="checkbox"/> 1 Yes
<input checked="" type="checkbox"/> 2 No | | | |
| D. Street name and number. If not applicable, enter industrial park, building name or other physical location description.
Same as label <input type="checkbox"/> or <input checked="" type="checkbox"/> 200 Waste Treatment Boulevard | | | |
| E. City, town, village, etc.
Same as label <input type="checkbox"/> or <input checked="" type="checkbox"/> Mars | F. County
Universe | G. State
Same as label <input type="checkbox"/> A B | H. Zip Code
Same as label <input type="checkbox"/> 8121811-1111 |

SEC. II Mailing address of site. Instruction page 7.

| | | |
|---|-----------------|---------------------------|
| A. Is the mailing address the same as the location address?
<input type="checkbox"/> 1 Yes (SKIP TO SEC. III)
<input checked="" type="checkbox"/> 2 No (COMPLETE SEC. II) | | |
| B. Number and street name of mailing address
P.O. Box 1000 | | |
| C. City, town, village, etc.
Venus | D. State
Y Z | E. Zip Code
00999-1000 |

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 7.

| | | | | |
|---------------------------------------|----------------------|------------|------------------------------------|--|
| A. Please print: Last name
Shuttle | First name
Robert | M.I.
I. | B. Title
Environmental Engineer | C. Telephone
7107 7117-712710
Extension 1111 |
|---------------------------------------|----------------------|------------|------------------------------------|--|

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 8.

| | | | |
|---------|--------|--------|--------|
| A. 4953 | B. 11A | C. 11A | D. 11A |
|---------|--------|--------|--------|

SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

| | | | |
|---|--|--------------------------------|------------|
| A. Number of form pages submitted
Form IC 12 Form GM 3 Form WR 2 Form PS 4 | | | |
| B. Please print: Last name
Shuttle | | First name
Robert | M.I.
I. |
| C. Title
Environmental Engineer | | D. Signature
Robert Shuttle | |
| E. Date of signature
MO. 03 DAY 03 YR. 90 | | | |

Page 1 of 12

| | |
|--|---|
| Sec. VI | Generator Status |
| A. 1989 generation (CHECK ONE BOX BELOW)
Instruction page 8 | B. Reason for not generating (CHECK ALL THAT APPLY)
Page 10 |
| <input type="checkbox"/> 1 No (CONTINUE TO BOX B)
<input checked="" type="checkbox"/> 2 LQG
<input type="checkbox"/> 3 SQG
<input type="checkbox"/> 4 CESQG | <div style="float: right; text-align: right;">(SKIP TO SEC. VII)</div> <input type="checkbox"/> 1 Never generated
<input type="checkbox"/> 2 Out of business
<input type="checkbox"/> 3 Only excluded or delisted waste
<input type="checkbox"/> 4 Only non-hazardous waste
<input type="checkbox"/> 5 Periodic or occasional generator
<input type="checkbox"/> 6 Waste minimization activity
<input type="checkbox"/> 7 Other (SPECIFY IN COMMENTS) |

| | |
|--|---|
| Sec. VII | On-Site Waste Management Status |
| A. Storage
Instruction page 11

<div style="text-align: center;">5</div> | B. RCRA treatment, recycling, or disposal
Page 11

<div style="text-align: center;">3</div> |
| C. RCRA-exempt treatment, recycling, or disposal
Page 12

<div style="text-align: center;">1</div> | |

| | | |
|---|---|---|
| Sec. VIII | Waste Minimization Activity during 1988 or 1989 | |
| A. Did this site begin or expand a <u>source reduction</u> activity during 1988 or 1989?
Instruction page 12

<input checked="" type="checkbox"/> 1 Yes
<input type="checkbox"/> 2 No | B. Did this site begin or expand a <u>recycling</u> activity during 1988 or 1989?
Page 13

<input type="checkbox"/> 1 Yes
<input checked="" type="checkbox"/> 2 No | C. Did this site conduct a <u>source reduction or recycling opportunity assessment</u> during 1988 or 1989?
Page 13

<input checked="" type="checkbox"/> 1 Yes
<input type="checkbox"/> 2 No |
| D. What factors have limited this site from initiating new <u>source reduction</u> activities during 1988 or 1989?
(CHECK ALL THAT APPLY)
Page 13

<input checked="" type="checkbox"/> 01 No factors have limited new source reduction activities.
<input type="checkbox"/> 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices.
<input type="checkbox"/> 03 Lack of technical information on source reduction techniques applicable to the specific production processes.
<input type="checkbox"/> 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
<input type="checkbox"/> 05 Concern that product quality may decline as a result of source reduction.
<input type="checkbox"/> 06 Technical limitations of the production processes.
<input type="checkbox"/> 07 Permitting burdens.
<input type="checkbox"/> 08 Other (SPECIFY IN COMMENTS) | | |
| E. What factors have limited this site from initiating new on-site or off-site <u>recycling</u> activities during 1988 or 1989?
(CHECK ALL THAT APPLY)
Page 13

<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input checked="" type="checkbox"/> 01 No factors have limited new recycling activities.
 <input type="checkbox"/> 02 Insufficient capital to install new recycling equipment or implement new recycling practices.
 <input type="checkbox"/> 03 Lack of technical information on recycling techniques applicable to this site's specific production processes.
 <input type="checkbox"/> 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment.
 <input type="checkbox"/> 05 Concern that product quality may decline as a result of recycling.
 <input type="checkbox"/> 06 Requirements to manifest wastes inhibit shipments off site for recycling. </div> <div style="width: 48%;"> <input type="checkbox"/> 07 Financial liability provisions inhibit shipments off site for recycling.
 <input type="checkbox"/> 08 Technical limitations of product processes inhibit shipments off site for recycling.
 <input type="checkbox"/> 09 Technical limitations of production processes inhibit on-site recycling.
 <input type="checkbox"/> 10 Permitting burdens inhibit recycling.
 <input type="checkbox"/> 11 Lack of permitted off-site recycling facilities.
 <input type="checkbox"/> 12 Unable to identify a market for recyclable materials.
 <input type="checkbox"/> 13 Other (SPECIFY IN COMMENTS) </div> </div> | | |

| |
|------------------------------|
| Comments:

 |
|------------------------------|

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME Waste Disposal, Inc.

EPA ID NO. A1B1D15181618101314191



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
GM

WASTE GENERATION AND
MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

| | | | | |
|---|--|---|--|--|
| Sec. I | A. Waste description
Instruction Page 15
<u>Incinerator ash from the incineration of spent solvents and still bottoms</u> | | | |
| B. EPA hazardous waste code
Page 15
<u>F1001</u> <u>F1003</u> <u>NA</u> <u>NA</u> | | C. State hazardous waste code
Page 16
<u> </u> <u> </u> | | |
| D. SIC code
Page 16
<u>4953</u> | E. Source code
Page 16
<u>A74</u> | F. Form code
Page 16
<u>B303</u> | G. Origin
Page 16
Code <u>3</u>
System type <u>M041</u> | |
| H. TRI constituent
Page 17
<u>1</u> | I. CAS numbers
Page 17
1. <u> </u> - <u> </u> - <u> </u> 2. <u> </u> - <u> </u> - <u> </u>
3. <u> </u> - <u> </u> - <u> </u> 4. <u> </u> - <u> </u> - <u> </u> 5. <u> </u> - <u> </u> - <u> </u> | | | |

| | | | | | |
|---|--|--|-------------------------------|--|---|
| Sec. II | A. Quantity generated in 1988
Instruction Page 17
<u> </u> <u>8,000</u> | B. Quantity generated in 1989
Page 17
<u> </u> <u>7,600</u> | C. UOM
Page 18
<u>1</u> | D. Density
Page 18
<u> </u> <u> </u>
<input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | E. Was this waste treated, disposed or recycled on site?
Page 18
<input checked="" type="checkbox"/> 1 Yes (CONTINUE TO SYSTEM 1)
<input type="checkbox"/> 2 No (SKIP TO SEC. III) |
| SYSTEM 1
System type
Page 18
<u>M132</u> | | Quantity treated, disposed or recycled in 1989
Page 18
<u> </u> <u>7,600</u> | | | |
| SYSTEM 2
System type
Page 18
<u>M1</u> | | Quantity treated, disposed or recycled in 1989
Page 18
<u> </u> <u> </u> | | | |

| | | | |
|----------|--|--|---|
| Sec. III | A. Was this waste shipped off site?
Instruction Page 19
<input type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input checked="" type="checkbox"/> 2 No (SKIP TO SEC. IV) | | |
| Site 1 | B. EPA ID No. of facility to which waste was shipped
Instruction Page 19
<u> </u> | C. System type
Page 19
<u>M1</u> | D. Total quantity shipped in 1989
Page 19
<u> </u> |
| Site 2 | <u> </u> | <u>M1</u> | <u> </u> |

| | | | | | |
|--|--|--|--|--|--|
| Sec. IV | A. Waste minimization results in 1989
Instruction Page 20
<input type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input checked="" type="checkbox"/> 2 No (THIS FORM IS COMPLETE) | | | | |
| B. Activity
Page 21
<u>W1</u> <u>W1</u>
<u>W1</u> <u>W1</u> | C. Other effects
Page 21
<input type="checkbox"/> 1 Yes
<input type="checkbox"/> 2 No | D. Quantity recycled in 1989 due to new activities
Page 21
<u> </u> | E. Activity/Production Index
Page 21
<u> </u> <u> </u> | F. Source Reduction Quantity
Page 22
<u> </u> | |

Comments:

Page 3 of 12

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME Waste Disposal, Inc.

EPA ID NO. ABD586810349



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
GM

WASTE GENERATION AND
MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

| | | | | | |
|---|--|--|---|---|--|
| Sec. I | A. Waste description
Instruction Page 15
<u>Stabilized solid generated from stabilizing wastewater treatment sludge</u> | | | | |
| B. EPA hazardous waste code
Page 15
<u>F101016</u> <u>1</u> <u>1</u> <u>NIA</u> <u>1</u> <u>1</u> <u>NIA</u> <u>1</u> <u>1</u> <u>NIA</u> | | | C. State hazardous waste code
Page 16
<u> </u> | | |
| D. SIC code
Page 16
<u>4953</u> | E. Source code
Page 16
<u>A77</u> | | F. Form code
Page 16
<u>B305</u> | G. Origin
Page 18
Code <u>3</u>
System type <u>M1111</u> | |
| H. TRI constituent
Page 17
<u>1</u> | I. CAS numbers
Page 17
1. <u> </u> - <u> </u> - <u> </u> 2. <u> </u> - <u> </u> - <u> </u>
3. <u> </u> - <u> </u> - <u> </u> 4. <u> </u> - <u> </u> - <u> </u> 5. <u> </u> - <u> </u> - <u> </u> | | | | |

| | | | | | |
|--|---|--|--|--|---|
| Sec. II | A. Quantity generated in 1988
Instruction Page 17
<u>90</u> | B. Quantity generated in 1989
Page 17
<u>100</u> | C. UOM
Page 18
<u>2</u> | D. Density
Page 18
<u> </u> <u> </u>
<input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 kg | E. Was this waste treated, disposed or recycled on site?
Page 18
<input checked="" type="checkbox"/> 1 Yes (CONTINUE TO SYSTEM 1)
<input type="checkbox"/> 2 No (SKIP TO SEC. III) |
| SYSTEM 1
System type
Page 18
<u>M132</u>
Quantity treated, disposed or recycled in 1989
Page 18
<u>100</u> | | | SYSTEM 2
System type
Page 18
<u>M1NIA</u>
Quantity treated, disposed or recycled in 1989
Page 18
<u> </u> | | |

| | | | |
|----------|--|--|---|
| Sec. III | A. Was this waste shipped off site?
Instruction Page 19
<input type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input checked="" type="checkbox"/> 2 No (SKIP TO SEC. IV) | | |
| Site 1 | B. EPA ID No. of facility to which waste was shipped
Instruction Page 19
<u> </u> | C. System type
Page 19
<u>M1</u> | D. Total quantity shipped in 1989
Page 19
<u> </u> |
| Site 2 | <u> </u> | <u>M1</u> | <u> </u> |

| | | | | | |
|---|--|---|---|--|--|
| Sec. IV | A. Waste minimization results in 1989
Instruction Page 20
<input checked="" type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input type="checkbox"/> 2 No (THIS FORM IS COMPLETE) | | | | |
| B. Activity
Page 21
<u>W142</u> <u>W1NIA</u>
<u>W1NIA</u> <u>W1NIA</u> | C. Other effects
Page 21
<input type="checkbox"/> 1 Yes
<input checked="" type="checkbox"/> 2 No | D. Quantity recycled in 1989 due to new activities
Page 21
<u> </u> <u>NIA</u> | E. Activity/Production Index
Page 21
<u>1</u> <u>16</u> | F. Source Reduction Quantity
Page 22
<u> </u> <u>44</u> | |

Comments:

Page 4 of 12

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME Waste Disposal, Inc.

EPA ID NO. A1B1D1586810349



U.S. ENVIRONMENTAL PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
GM

WASTE GENERATION AND
MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

| | | | | |
|---|--|---|--|--|
| Sec. I | A. Waste description
Instruction Page 15
<u>Landfill leachate discharged to POTW</u> | | | |
| B. EPA hazardous waste code
Page 15
<u>F006</u> <u>F001</u> <u>F003</u> <u>NA</u> | | C. State hazardous waste code
Page 15
_____ | | |
| D. SIC code
Page 16
<u>4953</u> | E. Source code
Page 16
<u>A52</u> | F. Form code
Page 16
<u>B114</u> | G. Origin
Page 16
Code <u>3</u>
System type <u>M132</u> | |
| H. TRI constituent
Page 17
<u>1</u> | I. CAS numbers
Page 17
1. _____ 2. _____
3. _____ 4. _____ 5. _____ | | | |

| | | | | | |
|---|---|--|-------------------------------|--|---|
| Sec. II | A. Quantity generated in 1988
Instruction Page 17
<u>717700</u> | B. Quantity generated in 1989
Page 17
<u>600000</u> | C. UOM
Page 18
<u>5</u> | D. Density
Page 18
<u>8.34</u>
<input checked="" type="checkbox"/> 1 lb/gal <input type="checkbox"/> 2 sg | E. Was this waste treated, disposed or recycled on site?
Page 18
<input checked="" type="checkbox"/> 1 Yes (CONTINUE TO SYSTEM 1)
<input type="checkbox"/> 2 No (SKIP TO SEC. III) |
| SYSTEM 1
System type
Page 18
<u>M135</u> | | Quantity treated, disposed or recycled in 1989
Page 18
<u>600000</u> | | SYSTEM 2
System type
Page 18
<u>NA</u> | |

| | | | |
|----------|--|---------------------------------------|---|
| Sec. III | A. Was this waste shipped off site?
Instruction Page 19
<input type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input checked="" type="checkbox"/> 2 No (SKIP TO SEC. IV) | | |
| Site 1 | B. EPA ID No. of facility to which waste was shipped
Instruction Page 19
_____ | C. System type
Page 19
<u>M</u> | D. Total quantity shipped in 1989
Page 19
_____ |
| Site 2 | _____ | <u>M</u> | _____ |

| | | | | | |
|--|--|--|--|--|--|
| Sec. IV | A. Waste minimization results in 1989
Instruction Page 20
<input type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input checked="" type="checkbox"/> 2 No (THIS FORM IS COMPLETE) | | | | |
| B. Activity
Page 21
<u>W</u> <u>W</u>
<u>W</u> <u>W</u> | C. Other effects
Page 21
<input type="checkbox"/> 1 Yes
<input type="checkbox"/> 2 No | D. Quantity recycled in 1989 due to new activities
Page 21
_____ | E. Activity/Production Index
Page 21
_____ | F. Source Reduction Quantity
Page 22
_____ | |

Comments: Section I, Box B: F001, F003 codes are from incinerator ash.

Page 5 of 12

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME Waste Disposal, Inc.

EPA ID NO. Al B1 D1 51 81 61 81 11 01 31 41 91



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
WR

WASTE RECEIVED FROM OFF SITE

INSTRUCTIONS: Read the detailed instructions beginning on page 27 of the 1989 Hazardous Waste Report booklet before completing this form.

| | | | | | | | |
|---|---|---|--|--|--|--|--|
| Waste
1 | A. Description of hazardous waste
Instruction Page 27
Ignitable spent solvent; mixture
of xylene and acetone | | B. EPA hazardous waste code
Page 28
<u>F 0 0 3</u> <u>N A</u>
<u>N A</u> <u>N A</u> | | C. State hazardous waste code
Page 28

_____ | | |
| | D. Off-site source EPA ID No.
Page 28
<u>X Y D 1 9 1 1 0 1 8 1 4 1 8 1 7 1 3 1 7 1</u> | | E. Quantity received in 1989
Page 28

<u>7 1 5 1 0 1 0 1</u> | | F. UOM
Page 28
<u>1 5 1</u> | | |
| | | G. Density
Page 28
<u>1 1 8 1</u> . <u>1 0 1 0 1</u>
<input checked="" type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | | | | | |
| H. Waste form code
Page 29
<u>B 1 2 1 0 1 3 1</u> | | I. System type
Page 29
<u>M 1 0 1 4 1 1 1</u> | | | | | |

| | | | | | | | |
|---|---|---|--|--|--|--|--|
| Waste
2 | A. Description of hazardous waste
Instruction Page 27
Still bottoms, halogenated
solvent | | B. EPA hazardous waste code
Page 28
<u>F 0 0 1</u> <u>N A</u>
<u>N A</u> <u>N A</u> | | C. State hazardous waste code
Page 28

_____ | | |
| | D. Off-site source EPA ID No.
Page 28
<input type="checkbox"/> Check if ID same as in Waste 1
or -> <u>Y Z D 1 5 1 6 1 7 1 8 1 9 1 0 1 1 1 2 1 3 1</u> | | E. Quantity received in 1989
Page 28

<u>2 1 5 1 0 1</u> | | F. UOM
Page 28
<u>5 1</u> | | |
| | | G. Density
Page 28
<u>8 1</u> . <u>0 1 0 1</u>
<input checked="" type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | | | | | |
| H. Waste form code
Page 29
<u>B 1 6 1 0 1 1 1</u> | | I. System type
Page 29
<u>M 1 0 1 4 1 2 1</u> | | | | | |

| | | | | | | | |
|---|---|---|--|--|--|--|--|
| Waste
3 | A. Description of hazardous waste
Instruction Page 27
Wastewater treatment sludge | | B. EPA hazardous waste code
Page 28
<u>F 0 0 6</u> <u>N A</u>
<u>N A</u> <u>N A</u> | | C. State hazardous waste code
Page 28

_____ | | |
| | D. Off-site source EPA ID No.
Page 28
<input checked="" type="checkbox"/> Check if ID same as in Waste 2
or -> _____ | | E. Quantity received in 1989
Page 28

<u>5 1 0 1</u> | | F. UOM
Page 28
<u>1 2 1</u> | | |
| | | G. Density
Page 28

<input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | | | | | |
| H. Waste form code
Page 29
<u>B 1 5 1 0 1 2 1</u> | | I. System type
Page 29
<u>M 1 1 1 1 1 1 1</u> | | | | | |

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME Waste Disposal, Inc.

EPA ID NO. A1B1D151816181101314191



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
WR

WASTE RECEIVED FROM OFF SITE

INSTRUCTIONS: Read the detailed instructions beginning on page 27 of the 1989 Hazardous Waste Report booklet before completing this form.

| | | | | | | |
|--|--|---|--|---|---|--|
| Waste
1 | A. Description of hazardous waste
Instruction Page 27
<u>Wastewater treatment sludge</u> | | B. EPA hazardous waste code
Page 28
<u>F006</u> <u>NA</u>
<u>NA</u> <u>NA</u> | | C. State hazardous waste code
Page 28
_____ | |
| | D. Off-site source EPA ID No.
Page 28
<u>A1B1C191817161514131211</u> | | E. Quantity received in 1989
Page 28
_____ <u>20</u> _____ | | F. UOM
Page 28
<u>2</u> | |
| G. Density
Page 28
_____ . _____
<input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | | H. Waste form code
Page 29
<u>B1502</u> | | I. System type
Page 29
<u>M1111</u> | | |

| | | | | | | |
|--|---|---|--|---|---|--|
| Waste
2 | A. Description of hazardous waste
Instruction Page 27
<u>Wastewater treatment sludge</u> | | B. EPA hazardous waste code
Page 28
<u>F006</u> <u>NA</u>
<u>NA</u> <u>NA</u> | | C. State hazardous waste code
Page 28
_____ | |
| | D. Off-site source EPA ID No.
Page 28
<input type="checkbox"/> Check if ID same as in Waste 1
or -> <u>C1B1A111213141516171819</u> | | E. Quantity received in 1989
Page 28
_____ <u>10</u> _____ | | F. UOM
Page 28
<u>2</u> | |
| G. Density
Page 28
_____ . _____
<input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | | H. Waste form code
Page 29
<u>B1502</u> | | I. System type
Page 29
<u>M1111</u> | | |

| | | | | | | |
|--|--|---|--|---|---|--|
| Waste
3 | A. Description of hazardous waste
Instruction Page 27
_____ | | B. EPA hazardous waste code
Page 28
_____ | | C. State hazardous waste code
Page 28
_____ | |
| | D. Off-site source EPA ID No.
Page 28
<input type="checkbox"/> Check if ID same as in Waste 2
or -> _____ | | E. Quantity received in 1989
Page 28
_____ | | F. UOM
Page 28
_____ | |
| G. Density
Page 28
_____ . _____
<input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | | H. Waste form code
Page 29
<u>B</u> _____ | | I. System type
Page 29
<u>M</u> _____ | | |

Comments:

Page 7 of 12

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

Waste Disposal, Inc.

EPA ID NO.

A B D 5 8 6 8 1 0 3 4 9



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
PS

WASTE TREATMENT, DISPOSAL,
OR RECYCLING PROCESS
SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec.
I

A. Waste treatment, disposal or recycling system description
Instruction Page 36

Incineration of liquids in three rotary kiln incinerators.

B. System type
Page 36

M 0 4 1

C. Regulatory status
Page 36

0 1

D. Operational status
Page 37

0 1

E. Unit types
Page 37

0 3

Sec.
II

A. 1989 Influent quantity
Instruction Page 36

UOM

Density

Total 3 4

2

RCRA 3 4

☐ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity
Page 36

Total 1 1 6

RCRA 1 1 6

C. 1989 liquid effluent quantity
Page 40

UOM

Density

Total 0

RCRA 0

☐ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity
Page 41

UOM

Density

Total 6 8 0

RCRA 6 8 0

☐ 1 lbs/gal ☐ 2 sg

E. Limitations on capacity
Page 41

1. 0 6 2. 0 9 3.

F. Commercial availability code
Page 42

4

G. Percent capacity commercially available
Page 43

1 0 0 %

Sec.
III

A. Planned change in maximum operational capacity
Instruction Page 43

- ☒ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity
Page 43

UOM

Total 2 3 2 2

RCRA 2 3 2

C. Planned year of change
Page 44

1 9 9 1

D. Future commercial availability code
Page 44

4

E. Percent future capacity commercially available
Page 44

1 0 0 %

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME Waste Disposal, Inc.

EPA ID NO. A1B1D151816181101314191



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
PS

WASTE TREATMENT, DISPOSAL,
OR RECYCLING PROCESS
SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec.
I

A. Waste treatment, disposal or recycling system description
Instruction Page 36

Incineration of sludges in three rotary kiln incinerators.

B. System type
Page 36

M1014121

C. Regulatory status
Page 36

011

D. Operational status
Page 37

011

E. Unit types
Page 37

013

Sec.
II

A. 1989 Influent quantity
Instruction Page 38

UOM

Density

Total 1

2

RCRA 1

☐ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity
Page 39

Total 4

RCRA 4

C. 1989 liquid effluent quantity
Page 40

UOM

Density

Total 0

RCRA 0

☐ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity
Page 41

UOM

Density

Total 80

RCRA 80

☐ 1 lbs/gal ☐ 2 sg

E. Limitations on capacity
Page 41

1. 016 2. 019 3.

F. Commercial availability code
Page 42

4

G. Percent capacity commercially available
Page 43

100 %

Sec.
III

A. Planned change in maximum operational capacity
Instruction Page 43

☒ 1 Yes (CONTINUE TO BOX B)

☐ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity
Page 43

UOM

Total 82

RCRA 8

C. Planned year of change
Page 44

1991

D. Future commercial availability code
Page 44

4

E. Percent future capacity commercially available
Page 44

100 %

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME Waste Disposal, Inc.

EPA ID NO. A, B, D, 5, 8, 6, 8, 1, 0, 3, 4, 9



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
PS

WASTE TREATMENT, DISPOSAL,
OR RECYCLING PROCESS
SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

| | | | | |
|---------------------------|---|---------------------------------|----------------------------------|--------------------------|
| Sec.
I | A. Waste treatment, disposal or recycling system description
Instruction Page 36 | | | |
| | Cement based stabilization of wastewater
treatment sludges | | | |
| B. System type
Page 36 | | C. Regulatory status
Page 36 | D. Operational status
Page 37 | E. Unit types
Page 37 |
| <u>M, 1, 1, 1</u> | | <u>0, 1</u> | <u>0, 1</u> | <u>0, 1</u> |

| | | | | | | |
|--|--|--|--|---|--|----------------|
| Sec.
II | A. 1989 Influent quantity
Instruction Page 38 | | UOM | Density | B. Maximum operational capacity
Page 39 | |
| | Total | <u>8, 0</u> | <u>2</u> | <u> </u> • <u> </u> | Total | <u>1, 7, 5</u> |
| | RCRA | <u>8, 0</u> | <input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | | RCRA | <u>1, 7, 5</u> |
| C. 1989 liquid effluent quantity
Page 40 | | UOM | Density | D. 1989 solid/sludge residual quantity
Page 41 | | |
| Total | | <u>0</u> | <u> </u> • <u> </u> | Total | | |
| RCRA | | <u>0</u> | <input type="checkbox"/> 1 lbs/gal <input type="checkbox"/> 2 sg | RCRA | | |
| E. Limitations on capacity
Page 41 | | F. Commercial availability code
Page 42 | | G. Percent capacity commercially available
Page 43 | | |
| 1. <u>0, 9</u> 2. <u> </u> 3. <u> </u> | | <u>4</u> | | <u>1, 0, 0</u> % | | |

| | | | | |
|--------------------------------------|--|---|--|--|
| Sec.
III | A. Planned change in maximum operational capacity
Instruction Page 43 | | B. New maximum operational capacity
Page 43 | |
| | <input type="checkbox"/> 1 Yes (CONTINUE TO BOX B)
<input checked="" type="checkbox"/> 2 No (THIS FORM IS COMPLETE) | | UOM | |
| C. Planned year of change
Page 44 | | D. Future commercial availability code
Page 44 | | E. Percent future capacity commercially available
Page 44 |
| <u>1, 9</u> | | <u> </u> | | <u> </u> % |

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

Waste Disposal, Inc.

EPA ID NO.

A B D 5 8 6 8 1 0 3 4 9



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
PS

WASTE TREATMENT, DISPOSAL,
OR RECYCLING PROCESS
SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec.
I

A. Waste treatment, disposal or recycling system description
Instruction Page 36

Hazardous Waste Landfill

B. System type
Page 36

M1 3 2

C. Regulatory status
Page 36

0 1

D. Operational status
Page 37

0 1

E. Unit types
Page 37

0 1 7

Sec.
II

A. 1989 Influent quantity
Instruction Page 38

UOM

Density

Total 1 0 0

2

RCRA 1 0 0

☐ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity
Page 39

Total 1 2 0 0

RCRA 1 2 0 0

C. 1989 liquid effluent quantity
Page 40

UOM

Density

Total 6 0 0 0 0 0

5

RCRA 6 0 0 0 0 0

☒ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity
Page 41

UOM

Density

Total 0

RCRA 0

☐ 1 lbs/gal ☐ 2 sg

E. Limitations on capacity
Page 41

1 0 9 2 3

F. Commercial availability code
Page 42

4

G. Percent capacity commercially available
Page 43

1 0 0 %

Sec.
III

A. Planned change in maximum operational capacity
Instruction Page 43

☐ 1 Yes (CONTINUE TO BOX B)

☒ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity
Page 43

UOM

Total

RCRA

C. Planned year of change
Page 44

1 9

D. Future commercial availability code
Page 44

E. Percent future capacity commercially available
Page 44

%

Comments:

A - 34

Appendix B

INSTRUCTIONS FOR ELECTRONIC REPORTING

Appendix B

INSTRUCTIONS FOR ELECTRONIC REPORTING

This appendix includes instructions and file specifications to be used if the site wishes to submit the 1989 Hazardous Waste Report on electronic media. A separate file layout is provided to correspond to each of the forms required by EPA. It is acceptable to submit all or part of the Report on diskette or computer tape, so long as these specifications are met.

A detailed description of Appendix B by column is as follows:

- 1st column "Data Element Label" is the descriptive name of the data element.
- 2nd column "Element Name" is the name of the data element.
- 3rd column "Data Type/Format" defines the attributes of the data element, i.e.: length of the data element and the field format (numeric or character).
- 4th column "Start-End" contains the starting and ending position of the data field.

TAPE FILE SPECIFICATIONS

| | |
|-----------------|-----------------------------|
| Density: | 9 Track 1600/6250 BPI |
| Record Format: | fixed records/blocks |
| Record Length: | length of the form's record |
| Labels: | labeled or unlabeled |
| Character Type: | ASCII or EBCDIC |

Documentation to accompany the tapes should include specification of the above items, a tape label scan if available, and a printout of the first 50 records of each file.

DISKETTES

PC files should be created as DOS (ASCII) format files. Diskettes may be either 5.25" (high or low density) or 3.5". Please send the file specifications and documentation as above so that data can be read properly.

CONTINUATION RECORDS

If the response to any question requires more space than is provided in the file layout, a continuation record may be included for the overflow data. The continuation record should include:

- your EPA ID,
- the overflow data,

- the same page number as the record being continued, and
- the CONTINUATION RECORD NUMBER.

All other items on that record should be left blank. It is critical that the page number be the same on the continuation record as it is on the original record. The CONTINUATION RECORD NUMBER field may be left blank on master records. It should have a value of "001" on the first continuation record associated with any given master record and a value of "002" on the second continuation record associated with that same master record, etc. It is the combination of EPA ID number, PAGE NUMBER and CONTINUATION RECORD NUMBER that permit unique identification. If the data element is one for which multiple entries are possible (such as EPA waste code, State waste code, or CAS number), the overflow element (5th EPA waste code or 6th CAS number, for example) should be entered in the first entry space for that element on the continuation record. Similarly, the second and subsequent overflow elements would go in the second and subsequent entry spaces if there are multiple spaces, then onto a second or subsequent continuation records if necessary.

EXAMPLE If a waste stream described on the 29th Form WR record (identified by the number 29 in the page number field) is characterized by six EPA waste codes, a continuation record would be required since the file format allows for only four EPA waste codes per record. The continuation record would have your site's EPA ID in columns 1-12, the first overflow EPA waste code in 112-115, the second overflow waste code in columns 116-119, the page number from the original record (29) would be repeated in the page number field, columns 176-179, and the Continuation Record Number in columns 180-182. All other columns on the continuation record would be blank.

DON'T KNOW/NOT APPLICABLE

For all files, enter the values "?" (for character fields) or "-8" (for numeric fields) if the information requested is not known or is not available; enter "@" (for character fields) or "-9" (for numeric fields) if the information requested is not applicable.

CHECK ALL THAT APPLY ITEMS

Where a question allows for multiple checks (a CHECK ALL THAT APPLY instruction), enter an "X" if the item is checked; if it is not checked, leave the field blank.

SKIP PATTERNS

Items that are skipped due to instructions may be left blank.

HELPLINE

For clarification or assistance in filing your Hazardous Waste Report electronically, call the helpline at 800-876-0352 between 9:00 AM and 8:00 PM Eastern Standard Time.

FORM IC FILE SPECIFICATIONS

| Data Element Label | Element Name | Data Type/Format | Start-End |
|---|--------------|--------------------|-----------|
| SITE NAME | IC_SITE | 40 characters | 001-040 |
| EPA ID NO. | IC_EPAID | 12 characters | 041-052 |
| EPA ID NO. BOX | I1ABOX | 1 character | 053-053 |
| EPA ID NO. | I1A | 12 characters | 054-065 |
| SITE/COMPANY NAME BOX | I1BBOX | 1 character | 066-066 |
| SITE/COMPANY NAME | I1B | 40 characters | 067-106 |
| SITE NAME CHANGED SINCE 1987? | I1C | 1 character | 107-107 |
| LOCATION STREET BOX | I1DBOX | 40 characters | 108-147 |
| LOCATION STREET - 1 | I1D1 | 30 characters | 148-177 |
| LOCATION STREET - 2 | I1D2 | 30 characters | 178-207 |
| LOCATION CITY BOX | I1EBOX | 1 character | 208-208 |
| LOCATION CITY | I1E | 25 characters | 209-233 |
| LOCATION COUNTY | I1F | 25 characters | 234-258 |
| LOCATION STATE BOX | I1GBOX | 1 character | 259-259 |
| LOCATION STATE | I1G | 2 characters | 260-261 |
| LOCATION ZIP CODE BOX | I1HBOX | 1 character | 262-262 |
| LOCATION ZIP CODE | I1H | 9 characters | 263-271 |
| MAILING ADDRESS SAME AS LOCATION ADDRESS? | I2A | 1 character | 272-272 |
| MAILING STREET - 1 | I2B1 | 30 characters | 273-302 |
| MAILING STREET - 2 | I2B2 | 30 characters | 303-332 |
| MAILING CITY | I2C | 25 characters | 333-357 |
| MAILING STATE | I2D | 2 characters | 358-359 |
| MAILING ZIP CODE | I2E | 9 characters | 360-368 |
| CONTACT LAST NAME | I3ALN | 15 characters | 369-383 |
| CONTACT FIRST NAME | I3AFN | 15 characters | 384-398 |
| CONTACT MIDDLE INITIAL | I3AMI | 1 character | 399-399 |
| CONTACT TITLE | I3B | 15 characters | 400-414 |
| CONTACT PHONE NUMBER | I3CPH | 10 characters | 415-424 |
| CONTACT PHONE NUMBER EXTENSION | I3CEX | 4 characters | 425-428 |
| STANDARD INDUSTRIAL CLASSIFICATION CODE - A | I4A | 4 numeric | 429-432 |
| STANDARD INDUSTRIAL CLASSIFICATION CODE - B | I4B | 4 numeric | 433-436 |
| STANDARD INDUSTRIAL CLASSIFICATION CODE - C | I4C | 4 numeric | 437-440 |
| STANDARD INDUSTRIAL CLASSIFICATION CODE - D | I4D | 4 numeric | 441-444 |
| NUMBER OF FORM PAGES SUBMITTED - IC | I5AIC | 3 characters | 445-447 |
| NUMBER OF FORM PAGES SUBMITTED - GM | I5AGM | 3 characters | 448-450 |
| NUMBER OF FORM PAGES SUBMITTED - WR | I5AWR | 3 characters | 451-453 |
| NUMBER OF FORM PAGES SUBMITTED - PS | I5APS | 3 characters | 454-456 |
| CERTIFICATION LAST NAME | I5BLN | 15 characters | 457-471 |
| CERTIFICATION FIRST NAME | I5BFN | 15 characters | 472-486 |
| CERTIFICATION MIDDLE INITIAL | I5BMI | 1 character | 487-487 |
| CERTIFICATION TITLE | I5C | 15 characters | 488-502 |
| CERTIFICATION SIGNATURE | I5D | 1 character | 503-503 |
| CERTIFICATION SIGNATURE DATE | I5E | 6 numeric (MMDDYY) | 504-509 |
| 1989 GENERATION | I6A | 1 character | 510-510 |
| REASON FOR NOT GENERATING - 1 | I6B1 | 1 character | 511-511 |
| REASON FOR NOT GENERATING - 2 | I6B2 | 1 character | 512-512 |

FORM IC FILE SPECIFICATIONS (Continued)

| Data Element Label | Element Name | Data Type/Format | Start-End |
|--|--------------|------------------|-----------|
| REASON FOR NOT GENERATING - 3 | 1683 | 1 character | 513-513 |
| REASON FOR NOT GENERATING - 4 | 1684 | 1 character | 514-514 |
| REASON FOR NOT GENERATING - 5 | 1685 | 1 character | 515-515 |
| REASON FOR NOT GENERATING - 6 | 1686 | 1 character | 516-516 |
| ON-SITE STORAGE | 17A | 1 character | 517-517 |
| ON-SITE RCRA T/D/R | 17B | 1 character | 518-518 |
| ON-SITE RCRA-EXEMPT T/D/R | 17C | 1 character | 519-519 |
| WASTE MIN. SOURCE REDUCTION? | 18A | 1 character | 520-520 |
| WASTE MIN. RECYCLING? | 18B | 1 character | 521-521 |
| WASTE MIN. OPPORTUNITY ASSESSMENT? | 18C | 1 character | 522-522 |
| WASTE MIN. FACTORS - SOURCE REDUCTION - 01 | 18D01 | 1 character | 523-523 |
| WASTE MIN. FACTORS - SOURCE REDUCTION - 02 | 18D02 | 1 character | 524-524 |
| WASTE MIN. FACTORS - SOURCE REDUCTION - 03 | 18D03 | 1 character | 525-525 |
| WASTE MIN. FACTORS - SOURCE REDUCTION - 04 | 18D04 | 1 character | 526-526 |
| WASTE MIN. FACTORS - SOURCE REDUCTION - 05 | 18D05 | 1 character | 527-527 |
| WASTE MIN. FACTORS - SOURCE REDUCTION - 06 | 18D06 | 1 character | 528-528 |
| WASTE MIN. FACTORS - SOURCE REDUCTION - 07 | 18D07 | 1 character | 529-529 |
| WASTE MIN. FACTORS - SOURCE REDUCTION - 08 | 18D08 | 1 character | 530-530 |
| WASTE MIN. FACTORS - RECYCLING - 01 | 18E01 | 1 character | 531-531 |
| WASTE MIN. FACTORS - RECYCLING - 02 | 18E02 | 1 character | 532-532 |
| WASTE MIN. FACTORS - RECYCLING - 03 | 18E03 | 1 character | 533-533 |
| WASTE MIN. FACTORS - RECYCLING - 04 | 18E04 | 1 character | 534-534 |
| WASTE MIN. FACTORS - RECYCLING - 05 | 18E05 | 1 character | 535-535 |
| WASTE MIN. FACTORS - RECYCLING - 06 | 18E06 | 1 character | 536-536 |
| WASTE MIN. FACTORS - RECYCLING - 07 | 18E07 | 1 character | 537-537 |
| WASTE MIN. FACTORS - RECYCLING - 08 | 18E08 | 1 character | 538-538 |
| WASTE MIN. FACTORS - RECYCLING - 09 | 18E09 | 1 character | 539-539 |
| WASTE MIN. FACTORS - RECYCLING - 10 | 18E10 | 1 character | 540-540 |
| WASTE MIN. FACTORS - RECYCLING - 11 | 18E11 | 1 character | 541-541 |
| WASTE MIN. FACTORS - RECYCLING - 12 | 18E12 | 1 character | 542-542 |
| WASTE MIN. FACTORS - RECYCLING - 13 | 18E13 | 1 character | 543-543 |
| COMMENTS - IC | 1C_COM | 99 characters | 544-642 |
| PAGE NO. | 1C_PGNO | 4 numeric | 643-646 |
| CONTINUATION RECORD NO. | 1C_CRNO | 3 numeric | 647-649 |

FORM GM FILE SPECIFICATIONS

| Data Element Label | Element Name | Data Type/Format | Start-End |
|--|--------------|------------------|-----------|
| EPA ID NO. | GM_EPAID | 12 characters | 001-012 |
| WASTE DESCRIPTION | G1A | 99 characters | 013-111 |
| EPA HAZARDOUS WASTE CODE - 1 | G1B1 | 4 characters | 112-115 |
| EPA HAZARDOUS WASTE CODE - 2 | G1B2 | 4 characters | 116-119 |
| EPA HAZARDOUS WASTE CODE - 3 | G1B3 | 4 characters | 120-123 |
| EPA HAZARDOUS WASTE CODE - 4 | G1B4 | 4 characters | 124-127 |
| STATE HAZARDOUS WASTE CODE - 1 | G1C1 | 6 characters | 128-133 |
| STATE HAZARDOUS WASTE CODE - 2 | G1C2 | 6 characters | 134-139 |
| SIC CODE | G1D | 4 numeric | 140-143 |
| SOURCE CODE | G1E | 3 characters | 144-146 |
| WASTE FORM CODE | G1F | 4 characters | 147-150 |
| WASTE ORIGIN CODE | G1GC | 1 characters | 151-151 |
| WASTE ORIGIN SYSTEM TYPE | G1GST | 4 characters | 152-155 |
| TRI CONSTITUENT | G1H | 1 character | 156-156 |
| CAS NUMBERS - 1 | G1I1 | 8 numeric | 157-164 |
| CAS NUMBERS - 2 | G1I2 | 8 numeric | 165-172 |
| CAS NUMBERS - 3 | G1I3 | 8 numeric | 173-180 |
| CAS NUMBERS - 4 | G1I4 | 8 numeric | 181-188 |
| CAS NUMBERS - 5 | G1I5 | 8 numeric | 189-196 |
| QUANTITY GENERATED IN 1988 | G2A | 9 numeric | 197-205 |
| QUANTITY GENERATED IN 1989 | G2B | 9 numeric | 206-214 |
| UNIT OF MEASURE | G2C | 1 character | 215-215 |
| DENSITY | G2D | 5 numeric | 216-220 |
| DENSITY UNIT OF MEASURE | G2DU | 1 character | 221-221 |
| WASTE T/D/R ON SITE? | G2E | 1 character | 222-222 |
| SYSTEM 1 SYSTEM TYPE | G2SYS1ST | 4 character | 223-226 |
| SYSTEM 1 QUANTITY T/D/R IN 1989 | G2SYS1QT | 9 numeric | 227-235 |
| SYSTEM 2 SYSTEM TYPE | G2SYS2ST | 4 character | 236-239 |
| SYSTEM 2 QUANTITY T/D/R IN 1989 | G2SYS2QT | 9 numeric | 240-248 |
| WASTE SHIPPED OFF SITE? | G3A | 1 character | 249-249 |
| SITE 1 EPA ID NO. | G31B | 12 characters | 250-261 |
| SITE 1 SYSTEM TYPE | G31C | 4 characters | 262-265 |
| SITE 1 TOTAL QUANTITY SHIPPED IN 1989 | G31D | 9 numeric | 266-274 |
| SITE 2 EPA ID NO. | G32B | 12 characters | 275-286 |
| SITE 2 SYSTEM TYPE | G32C | 4 characters | 287-290 |
| SITE 2 TOTAL QUANTITY SHIPPED IN 1989 | G32D | 9 numeric | 291-299 |
| WASTE MINIMIZATION RESULTS IN 1989 | G4A | 1 character | 300-300 |
| ACTIVITY - 1 | G4B1 | 3 characters | 301-303 |
| ACTIVITY - 2 | G4B2 | 3 characters | 304-306 |
| ACTIVITY - 3 | G4B3 | 3 characters | 307-309 |
| ACTIVITY - 4 | G4B4 | 3 characters | 310-312 |
| OTHER EFFECTS | G4C | 1 character | 313-313 |
| QUANTITY RECYCLED IN 1989 - NEW ACTIVITIES | G4D | 9 numeric | 314-322 |
| ACTIVITY/PRODUCTION INDEX | G4E | 4 numeric | 323-326 |
| SOURCE REDUCTION QUANTITY | G4F | 9 numeric | 327-335 |
| COMMENTS - GM | GM_COM | 99 characters | 336-434 |
| PAGE NO. | GM_PGNO | 4 numeric | 435-438 |
| CONTINUATION RECORD NO. | GM_CRNO | 3 numeric | 439-441 |

FORM WR FILE SPECIFICATIONS

Data files submitted to satisfy the report requirement for Form WR should contain a single record for each waste received from off site, unless a continuation record is needed for overflow data. Note that this contrasts with the paper form which has three wastes per page. In the data file, the "Page number" variable should be actually be a count of waste stream records, not paper pages. Page 7, for example, should always refer to the 7th waste stream in the file.

| Data Element Label | Element Name | Data Type/Format | Start-End |
|-----------------------------------|--------------|------------------|-----------|
| EPA ID NO. | WR_EPAID | 12 characters | 001-012 |
| DESCRIPTION OF RECEIVED WASTE | W1A | 99 characters | 013-111 |
| EPA CODE OF WASTE RECEIVED | W1B1 | 4 characters | 112-115 |
| EPA CODE OF WASTE RECEIVED | W1B2 | 4 characters | 116-119 |
| EPA CODE OF WASTE RECEIVED | W1B3 | 4 characters | 120-123 |
| EPA CODE OF WASTE RECEIVED | W1B4 | 4 characters | 124-127 |
| STATE CODE OF WASTE RECEIVED | W1C1 | 6 characters | 128-133 |
| STATE CODE OF WASTE RECEIVED | W1C2 | 6 characters | 134-139 |
| WASTE RECEIVED EPA ID | W1D | 12 characters | 140-151 |
| QUANTITY RECEIVED FROM OFF-SITE | W1E | 9 numeric | 152-160 |
| WR UNIT OF MEASURE | W1F | 1 characters | 161-161 |
| WR DENSITY | W1G | 5 numeric | 162-166 |
| WR DENSITY UNIT OF MEASURE | W1GU | 1 character | 167-167 |
| WASTE FORM CODE OF WASTE RECEIVED | W1H | 4 characters | 168-171 |
| WASTE RECEIVED SYSTEM TYPE | W1I | 4 characters | 172-175 |
| PAGE NO. | WR_PGNO | 4 numeric | 176-179 |
| CONTINUATION RECORD NO. | WR_CRNO | 3 numeric | 180-182 |

FORM PS FILE SPECIFICATIONS

| Data Element Label | Element Name | Data Type/Format | Start-End |
|--|--------------|------------------|-----------|
| ----- | ----- | ----- | ----- |
| EPA ID NO. | PS_EPAID | 12 characters | 001-012 |
| DESCRIPTION OF T/D/R SYSTEM | P1A | 99 characters | 013-111 |
| SYSTEM TYPE | P1B | 4 characters | 113-115 |
| REGULATORY STATUS | P1C | 2 numeric | 116-117 |
| OPERATIONAL STATUS | P1D | 2 numeric | 118-119 |
| UNIT TYPES - 1 | P1E1 | 2 numeric | 120-121 |
| UNIT TYPES - 2 | P1E2 | 2 numeric | 122-123 |
| 1989 INFLUENT QUANTITY | P2AT | 10 numeric | 124-133 |
| INFLUENT RCRA TOTAL | P2AR | 10 numeric | 134-143 |
| INFLUENT UNIT OF MEASURE | P2AU | 1 character | 144-144 |
| INFLUENT DENSITY | P2AD | 5 numeric | 145-149 |
| DENSITY UNIT OF MEASURE | P2ADU | 1 character | 150-150 |
| MAXIMUM OPERATIONAL CAPACITY - TOTAL | P2BT | 10 numeric | 151-160 |
| MAXIMUM OPERATIONAL CAPACITY - RCRA | P2BR | 10 numeric | 161-170 |
| LIQUID EFFLUENT TOTAL | P2CT | 10 numeric | 171-180 |
| LIQUID EFFLUENT RCRA TOTAL | P2CR | 10 numeric | 181-190 |
| LIQUID UNIT OF MEASURE | P2CU | 1 character | 191-191 |
| LIQUID DENSITY | P2CD | 5 numeric | 192-196 |
| DENSITY UNIT OF MEASURE | P2CDU | 1 character | 197-197 |
| SOLID/SLUDGE TOTAL | P2DT | 10 numeric | 198-207 |
| SOLID/SLUDGE RCRA TOTAL | P2DR | 10 numeric | 208-217 |
| SOLID/SLUDGE UNIT OF MEASURE | P2DU | 1 character | 218-218 |
| SOLID/SLUDGE DENSITY | P2DD | 5 numeric | 219-223 |
| DENSITY UNIT OF MEASURE | P2DDU | 1 character | 224-224 |
| LIMITATIONS ON CAPACITY - 1 | P2E1 | 2 numeric | 225-226 |
| LIMITATIONS ON CAPACITY - 2 | P2E2 | 2 numeric | 227-228 |
| LIMITATIONS ON CAPACITY - 3 | P2E3 | 2 numeric | 229-230 |
| COMMERCIAL AVAILABILITY CODE | P2F | 1 character | 231-231 |
| PERCENT COMMERCIALLY AVAILABLE | P2G | 3 numeric | 232-234 |
| CHANGE IN MAXIMUM OPERATIONAL CAPACITY | P3A | 1 character | 235-235 |
| NEW MAXIMUM OPERATIONAL CAPACITY - TOTAL | P3BT | 10 numeric | 236-245 |
| NEW MAXIMUM OPERATIONAL CAPACITY - RCRA | P3BR | 10 numeric | 246-255 |
| NEW MAXIMUM OPERATIONAL CAPACITY UOM | P3BU | 1 character | 256-256 |
| PLANNED CHANGE YEAR | P3C | 4 numeric | 257-260 |
| FUTURE COMMERCIAL AVAILABILITY CODE | P3D | 1 character | 261-261 |
| FUTURE COMMERCIAL AVAILABILITY PERCENT | P3E | 3 numeric | 262-264 |
| COMMENTS - PS | PS_COM | 99 characters | 265-363 |
| PAGE NO. | PS_PGNO | 4 numeric | 364-367 |
| CONTINUATION RECORD NO. | PS_CRNO | 3 numeric | 368-370 |

FORM 01 FILE SPECIFICATIONS

| Data Element Label | Element Name | Data Type/Format | Start-End |
|-------------------------------------|--------------|------------------|-----------|
| EPA ID NO. | OI_EPAID | 12 characters | 001-012 |
| EPA ID NO. OF OFF-SITE INSTALLATION | O1A | 12 characters | 013-024 |
| NAME OF OFF-SITE INSTALLATION | O1B | 40 characters | 025-064 |
| HANDLER TYPE | O1C | 1 character | 065-065 |
| OFF-SITE INSTALLATION STREET 1 | O1DSTR1 | 30 characters | 066-095 |
| OFF-SITE INSTALLATION STREET 2 | O1DSTR2 | 30 characters | 096-125 |
| OFF-SITE INSTALLATION CITY | O1DCITY | 25 characters | 126-150 |
| OFF-SITE INSTALLATION STATE | O1DST | 2 characters | 151-152 |
| OFF-SITE INSTALLATION ZIP CODE | O1DZIP | 9 characters | 153-161 |
| PAGE NO. | OI_PGNO | 4 numeric | 162-165 |
| CONTINUATION RECORD NO. | OI_CRNO | 3 numeric | 166-168 |

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME _____

EPA ID NO. _____



**U.S. ENVIRONMENTAL
PROTECTION AGENCY**

1989 Hazardous Waste Report

FORM

IC

**IDENTIFICATION AND
CERTIFICATION**

INSTRUCTIONS: Read the detailed instructions beginning on page 7 of the 1989 Hazardous Waste Report booklet before completing this form.

SEC. I Site name and location address. Complete items A through H. Check the box ☒ in items A, B, D, E, F, G, and H if same as label; if different, enter corrections. If label is absent, enter information. Instruction page 7.

| | | | |
|---|-----------|---|--|
| A. EPA ID No.
Same as label <input type="checkbox"/> or _____ | | B. Site/company name
Same as label <input type="checkbox"/> or _____ | |
| C. Has the site name associated with this EPA ID changed since 1987? <input type="checkbox"/> 1 Yes
<input type="checkbox"/> 2 No | | | |
| D. Street name and number. If not applicable, enter industrial park, building name or other physical location description.
Same as label <input type="checkbox"/> or _____ | | | |
| E. City, town, village, etc.
Same as label <input type="checkbox"/> or _____ | F. County | G. State
Same as label <input type="checkbox"/> _____ | H. Zip Code
Same as label <input type="checkbox"/> _____-____ |

SEC. II Mailing address of site. Instruction page 7.

| | |
|---|--|
| A. Is the mailing address the same as the location address? <input type="checkbox"/> 1 Yes (SKIP TO SEC. III)
<input type="checkbox"/> 2 No (COMPLETE SEC. II) | |
| B. Number and street name of mailing address | |
| C. City, town, village, etc. | D. State

E. Zip Code
_____-____ |

SEC. III Name, title, and telephone number of the person who should be contacted if questions arise regarding this report. Instruction page 7.

| | | | | |
|----------------------------|------------|------|----------|--|
| A. Please print: Last name | First name | M.I. | B. Title | C. Telephone
_____-_____
Extension _____ |
|----------------------------|------------|------|----------|--|

SEC. IV Enter the Standard Industrial Classification (SIC) Code that describes the principal products, group of products, produced or distributed, or the services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. Instruction page 8.

| | | | |
|----------|----------|----------|----------|
| A. _____ | B. _____ | C. _____ | D. _____ |
|----------|----------|----------|----------|

SEC. V I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

| | | | |
|--|--|--|--|
| 1. Number of form pages submitted
Form IC _____ 2 _____ Form GM _____ Form WR _____ Form PS _____ | | | |
| 3. Please print: Last name | | | C. Title |
| 4. Signature | | | E. Date of signature
_____/_____/_____
MO. DAY YR. |

Page 1 of _____

| | | | |
|--|---|--|--|
| Sec. VI | Generator Status | | |
| <p>A. 1989 generation (CHECK ONE BOX BELOW)
Instruction page 8</p> <p> <input type="checkbox"/> 1 No (CONTINUE TO BOX B)
 <input type="checkbox"/> 2 LQG
 <input type="checkbox"/> 3 SQG
 <input type="checkbox"/> 4 CESQG </p> <p style="text-align: right;">(SKIP TO SEC. VII)</p> | <p>B. Reason for not generating (CHECK ALL THAT APPLY)
Page 10</p> <table style="width: 100%;"> <tr> <td style="width: 33%;"> <input type="checkbox"/> 1 Never generated
 <input type="checkbox"/> 2 Out of business
 <input type="checkbox"/> 3 Only excluded or delisted waste </td> <td style="width: 33%;"> <input type="checkbox"/> 4 Only non-hazardous waste
 <input type="checkbox"/> 5 Periodic or occasional generator
 <input type="checkbox"/> 6 Waste minimization activity
 <input type="checkbox"/> 7 Other (SPECIFY IN COMMENTS) </td> </tr> </table> | <input type="checkbox"/> 1 Never generated
<input type="checkbox"/> 2 Out of business
<input type="checkbox"/> 3 Only excluded or delisted waste | <input type="checkbox"/> 4 Only non-hazardous waste
<input type="checkbox"/> 5 Periodic or occasional generator
<input type="checkbox"/> 6 Waste minimization activity
<input type="checkbox"/> 7 Other (SPECIFY IN COMMENTS) |
| <input type="checkbox"/> 1 Never generated
<input type="checkbox"/> 2 Out of business
<input type="checkbox"/> 3 Only excluded or delisted waste | <input type="checkbox"/> 4 Only non-hazardous waste
<input type="checkbox"/> 5 Periodic or occasional generator
<input type="checkbox"/> 6 Waste minimization activity
<input type="checkbox"/> 7 Other (SPECIFY IN COMMENTS) | | |

| | |
|---|--|
| Sec. VII | On-Site Waste Management Status |
| <p>A. Storage
Instruction page 11</p> <p style="text-align: center;"><input type="checkbox"/></p> | <p>B. RCRA treatment, recycling, or disposal
Page 11</p> <p style="text-align: center;"><input type="checkbox"/></p> |

| | | | | |
|--|---|---|---|---|
| Sec. VIII | Waste Minimization Activity during 1988 or 1989 | | | |
| <p>A. Did this site begin or expand a <u>source reduction</u> activity during 1988 or 1989?
Instruction page 12</p> <p> <input type="checkbox"/> 1 Yes
 <input type="checkbox"/> 2 No </p> | <p>B. Did this site begin or expand a <u>recycling</u> activity during 1988 or 1989?
Page 13</p> <p> <input type="checkbox"/> 1 Yes
 <input type="checkbox"/> 2 No </p> | <p>C. Did this site conduct a source reduction or recycling <u>opportunity assessment</u> during 1988 or 1989?
Page 13</p> <p> <input type="checkbox"/> 1 Yes
 <input type="checkbox"/> 2 No </p> | | |
| <p>D. What factors have limited this site from initiating new <u>source reduction</u> activities during 1988 or 1989?
(CHECK ALL THAT APPLY)
Page 13</p> <p> <input type="checkbox"/> 01 No factors have limited new source reduction activities.
 <input type="checkbox"/> 02 Insufficient capital to install new source reduction equipment or implement new source reduction practices.
 <input type="checkbox"/> 03 Lack of technical information on source reduction techniques applicable to the specific production processes.
 <input type="checkbox"/> 04 Source reduction is not economically feasible: cost savings in waste management or production will not recover the capital investment.
 <input type="checkbox"/> 05 Concern that product quality may decline as a result of source reduction.
 <input type="checkbox"/> 06 Technical limitations of the production processes.
 <input type="checkbox"/> 07 Permitting burdens.
 <input type="checkbox"/> 08 Other (SPECIFY IN COMMENTS) </p> | | | | |
| <p>E. What factors have limited this site from initiating new on-site or off-site <u>recycling</u> activities during 1988 or 1989?
(CHECK ALL THAT APPLY)
Page 13</p> <table style="width: 100%;"> <tr> <td style="width: 50%;"> <input type="checkbox"/> 01 No factors have limited new recycling activities.
 <input type="checkbox"/> 02 Insufficient capital to install new recycling equipment or implement new recycling practices.
 <input type="checkbox"/> 03 Lack of technical information on recycling techniques applicable to this site's specific production processes.
 <input type="checkbox"/> 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment.
 <input type="checkbox"/> 05 Concern that product quality may decline as a result of recycling.
 <input type="checkbox"/> 06 Requirements to manifest wastes inhibit shipments off site for recycling. </td> <td style="width: 50%;"> <input type="checkbox"/> 07 Financial liability provisions inhibit shipments off site for recycling.
 <input type="checkbox"/> 08 Technical limitations of product processes inhibit shipments off site for recycling.
 <input type="checkbox"/> 09 Technical limitations of production processes inhibit on-site recycling.
 <input type="checkbox"/> 10 Permitting burdens inhibit recycling.
 <input type="checkbox"/> 11 Lack of permitted off-site recycling facilities.
 <input type="checkbox"/> 12 Unable to identify a market for recyclable materials.
 <input type="checkbox"/> 13 Other (SPECIFY IN COMMENTS) </td> </tr> </table> | | | <input type="checkbox"/> 01 No factors have limited new recycling activities.
<input type="checkbox"/> 02 Insufficient capital to install new recycling equipment or implement new recycling practices.
<input type="checkbox"/> 03 Lack of technical information on recycling techniques applicable to this site's specific production processes.
<input type="checkbox"/> 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment.
<input type="checkbox"/> 05 Concern that product quality may decline as a result of recycling.
<input type="checkbox"/> 06 Requirements to manifest wastes inhibit shipments off site for recycling. | <input type="checkbox"/> 07 Financial liability provisions inhibit shipments off site for recycling.
<input type="checkbox"/> 08 Technical limitations of product processes inhibit shipments off site for recycling.
<input type="checkbox"/> 09 Technical limitations of production processes inhibit on-site recycling.
<input type="checkbox"/> 10 Permitting burdens inhibit recycling.
<input type="checkbox"/> 11 Lack of permitted off-site recycling facilities.
<input type="checkbox"/> 12 Unable to identify a market for recyclable materials.
<input type="checkbox"/> 13 Other (SPECIFY IN COMMENTS) |
| <input type="checkbox"/> 01 No factors have limited new recycling activities.
<input type="checkbox"/> 02 Insufficient capital to install new recycling equipment or implement new recycling practices.
<input type="checkbox"/> 03 Lack of technical information on recycling techniques applicable to this site's specific production processes.
<input type="checkbox"/> 04 Recycling not economically feasible: cost savings in waste management or production will not recover the capital investment.
<input type="checkbox"/> 05 Concern that product quality may decline as a result of recycling.
<input type="checkbox"/> 06 Requirements to manifest wastes inhibit shipments off site for recycling. | <input type="checkbox"/> 07 Financial liability provisions inhibit shipments off site for recycling.
<input type="checkbox"/> 08 Technical limitations of product processes inhibit shipments off site for recycling.
<input type="checkbox"/> 09 Technical limitations of production processes inhibit on-site recycling.
<input type="checkbox"/> 10 Permitting burdens inhibit recycling.
<input type="checkbox"/> 11 Lack of permitted off-site recycling facilities.
<input type="checkbox"/> 12 Unable to identify a market for recyclable materials.
<input type="checkbox"/> 13 Other (SPECIFY IN COMMENTS) | | | |

| |
|-------------------------|
| <p>Comments:</p> |
|-------------------------|

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

EPA ID NO.



FORM
GM

U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

WASTE GENERATION AND
MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 14 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec.
I

A. Waste description
Instruction Page 15

B. EPA hazardous waste code
Page 15

C. State hazardous waste code
Page 16

D. SIC code
Page 16

E. Source code
Page 16

F. Form code
Page 16

G. Origin
Page 16 Code

System type

H. TRI constituent
Page 17

I. CAS numbers
Page 17

1. 2. 3. 4. 5.

Sec.
II

A. Quantity generated in 1988
Instruction Page 17

B. Quantity generated in 1989
Page 17

C. UOM
Page 18

D. Density
Page 18

E. Was this waste treated, disposed or recycled on site
or discharged to a sewer/POTW?
Page 18

☐ 1 Yes (CONTINUE TO SYSTEM 1)
☐ 2 No (SKIP TO SEC. III)

SYSTEM 1

System type
Page 18

Quantity treated, disposed or recycled in 1989
Page 18

SYSTEM 2

System type
Page 18

Quantity treated, disposed or recycled in 1989
Page 18

Sec.
III

A. Was this waste shipped off site?
Instruction Page 19

☐ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (SKIP TO SEC. IV)

B. EPA ID No. of facility to which waste was shipped
Instruction Page 19

C. System type
Page 19

D. Total quantity shipped in 1989
Page 19

C. A. Waste minimization results in 1989
Instruction Page 20

☐ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (THIS FORM IS COMPLETE)

B. Activity
Page 21

C. Other effects
Page 21

W 1 W 1
W 1 W 1

☐ 1 Yes
☐ 2 No

D. Quantity recycled in 1989 due to new activities
Page 21

E. Activity/Production Index
Page 21

F. Source Reduction Quantity
Page 22

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME _____

EPA ID NO. _____



**U.S. ENVIRONMENTAL
PROTECTION AGENCY**

1989 Hazardous Waste Report

**FORM
WR**

WASTE RECEIVED FROM OFF SITE

INSTRUCTIONS: Read the detailed instructions beginning on page 27 of the 1989 Hazardous Waste Report booklet before completing this form.

Waste
1

A. Description of hazardous waste
Instruction Page 27

B. EPA hazardous waste code
Page 28

C. State hazardous waste code
Page 28

D. Off-site source EPA ID No.
Page 28

E. Quantity received in 1989
Page 28

F. UOM
Page 28

G. Density
Page 28

_____._____
☐ 1 lbs/gal ☐ 2 sg

H. Waste form code
Page 29

I. System type
Page 29

B. _____

M. _____

Waste
2

A. Description of hazardous waste
Instruction Page 27

B. EPA hazardous waste code
Page 28

C. State hazardous waste code
Page 28

D. Off-site source EPA ID No.
Page 28

E. Quantity received in 1989
Page 28

F. UOM
Page 28

G. Density
Page 28

_____._____
☐ 1 lbs/gal ☐ 2 sg

H. Waste form code
Page 29

I. System type
Page 29

B. _____

M. _____

Waste
3

A. Description of hazardous waste
Instruction Page 27

B. EPA hazardous waste code
Page 28

C. State hazardous waste code
Page 28

D. Off-site source EPA ID No.
Page 28

E. Quantity received in 1989
Page 28

F. UOM
Page 28

G. Density
Page 28

_____._____
☐ 1 lbs/gal ☐ 2 sg

H. Waste form code
Page 29

I. System type
Page 29

B. _____

M. _____

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME

EPA ID NO.



U.S. ENVIRONMENTAL
PROTECTION AGENCY

1989 Hazardous Waste Report

FORM
PS

WASTE TREATMENT, DISPOSAL,
OR RECYCLING PROCESS
SYSTEMS

INSTRUCTIONS: Read the detailed instructions beginning on page 30 of the 1989 Hazardous Waste Report booklet before completing this form.

Sec.
I

A. Waste treatment, disposal or recycling system description
Instruction Page 36

B. System type
Page 36

LM

C. Regulatory status
Page 36

D. Operational status
Page 37

E. Unit types
Page 37

Sec.
II

A. 1989 influent quantity
Instruction Page 38

UOM

Density

Total

RCRA

☐ 1 lbs/gal ☐ 2 sg

B. Maximum operational capacity
Page 39

Total

RCRA

C. 1989 liquid effluent quantity
Page 40

UOM

Density

Total

RCRA

☐ 1 lbs/gal ☐ 2 sg

D. 1989 solid/sludge residual quantity
Page 41

UOM

Density

Total

RCRA

☐ 1 lbs/gal ☐ 2 sg

E. Limitations on capacity
Page 41

1. 2. 3.

F. Commercial availability code
Page 41

G. Percent capacity commercially available
Page 42

%

Sec.
III

A. Planned change in maximum operational capacity
Instruction Page 42

- ☐ 1 Yes (CONTINUE TO BOX B)
☐ 2 No (THIS FORM IS COMPLETE)

B. New maximum operational capacity
Page 42

UOM

Total

RCRA

C. Planned year of change
Page 43

1991

D. Future commercial availability code
Page 43

E. Percent future capacity commercially available
Page 43

%

Comments:

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL
OR ENTER:

SITE NAME _____

EPA ID NO. _____



FORM

OI

**U.S. ENVIRONMENTAL
PROTECTION AGENCY**

1989 Hazardous Waste Report

OFF-SITE IDENTIFICATION

INSTRUCTIONS: Read the detailed instructions on the back of this page before completing this form.

| | | |
|---|--|--|
| Site 1 | A. EPA ID No. of off-site installation or transporter
_____ | B. Name of off-site installation or transporter
_____ |
| C. Handler type (CHECK ALL THAT APPLY)
<input type="checkbox"/> Generator
<input type="checkbox"/> Transporter
<input type="checkbox"/> TSDR | | D. Address of off-site installation
Street _____
City _____ State _____ Zip Code _____ |
| Site 2 | A. EPA ID No. of off-site installation or transporter
_____ | B. Name of off-site installation or transporter
_____ |
| C. Handler type (CHECK ALL THAT APPLY)
<input type="checkbox"/> Generator
<input type="checkbox"/> Transporter
<input type="checkbox"/> TSDR | | D. Address of off-site installation
Street _____
City _____ State _____ Zip Code _____ |
| Site 3 | A. EPA ID No. of off-site installation or transporter
_____ | B. Name of off-site installation or transporter
_____ |
| C. Handler type (CHECK ALL THAT APPLY)
<input type="checkbox"/> Generator
<input type="checkbox"/> Transporter
<input type="checkbox"/> TSDR | | D. Address of off-site installation
Street _____
City _____ State _____ Zip Code _____ |
| Site 4 | A. EPA ID No. of off-site installation or transporter
_____ | B. Name of off-site installation or transporter
_____ |
| C. Handler type (CHECK ALL THAT APPLY)
<input type="checkbox"/> Generator
<input type="checkbox"/> Transporter
<input type="checkbox"/> TSDR | | D. Address of off-site installation
Street _____
City _____ State _____ Zip Code _____ |
| Site 5 | A. EPA ID No. of off-site installation or transporter
_____ | B. Name of off-site installation or transporter
_____ |
| C. Handler type (CHECK ALL THAT APPLY)
<input type="checkbox"/> Generator
<input type="checkbox"/> Transporter
<input type="checkbox"/> TSDR | | D. Address of off-site installation
Street _____
City _____ State _____ Zip Code _____ |

Comments:

**INSTRUCTIONS FOR COMPLETING
FORM OI - OFF-SITE IDENTIFICATION**

WHO MUST COMPLETE THIS FORM?

Sites required to file the 1989 Hazardous Waste Report must complete Form OI if:

- Form OI is required by your State, AND
 - The site received hazardous waste from off site or shipped hazardous waste off-site during 1989.
-

PURPOSE OF THIS FORM

Form OI documents the names and addresses of off site installations and transporters.

HOW TO COMPLETE THIS FORM

Form OI is divided into five identical parts. You must complete one part for each off-site installation to which you shipped hazardous waste, each off-site installation from which you received hazardous waste and each transporter you used during the reporting year. If these off-site installations and transporters total more than five, you must photocopy and complete additional copies of the form. You do not need to report the address, Box D, for transporters.

Throughout the form, enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable. Use the Comments section at the bottom of the form to clarify or continue any entry. Reference the comment by entering the site number and box letter.

ITEM-BY-ITEM INSTRUCTIONS

Complete Boxes A through D for every off-site installation to which you shipped hazardous waste and every off-site installation from which you received hazardous waste during the reporting year.

Complete Boxes A through C for every transporter you used during the year.

Box A: EPA ID No. of Off-Site Installation or Transporter

Enter the 12-digit EPA ID number of the off-site installation to which you shipped hazardous waste or from which you received hazardous waste or the EPA ID number of the transporter who shipped hazardous waste to or from your site. If the off-site installation or transporter did not have an EPA ID number during the reporting year, enter "NA" in Box A.

Box B: Name of Off-Site Installation or Transporter

Enter the name of the off-site installation or transporter reported in Box A.

Box C: Site Type

Check all that apply to describe the off-site installation or transporter reported in Box A.

Box D: Address of the Off-Site Installation

Enter the address of the off-site installation reported in Box A. If the EPA ID number reported in Box A refers to a transporter, enter "NA" in Box D.

Contact Name: _____

